

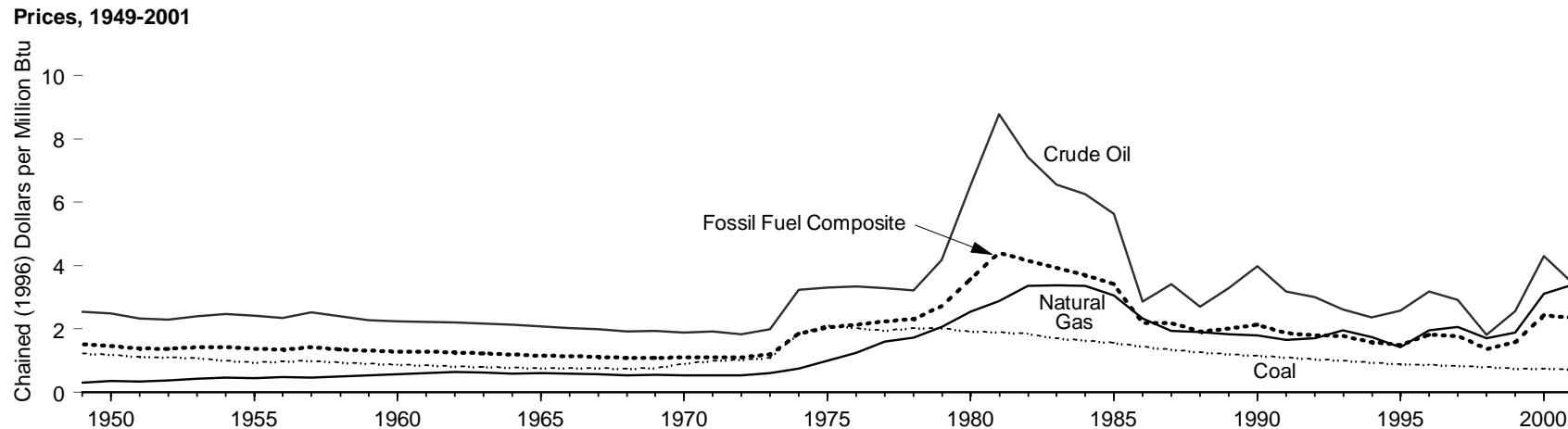
3

Financial Indicators

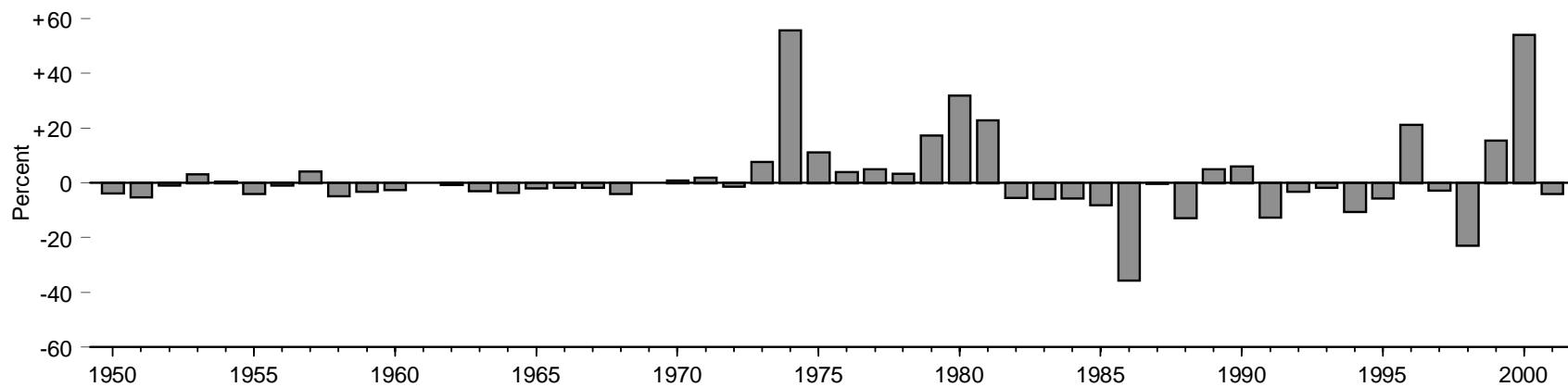


Gas Station, North Carolina, April 1999.

Figure 3.1 Fossil Fuel Production Prices



Fossil Fuel Composite Price, Change From Previous Year, 1950-2001



Note: Prices are in chained (1996) dollars, calculated by using gross domestic product implicit price deflators. See Table E1.

Source: Table 3.1.

Table 3.1 Fossil Fuel Production Prices, 1949-2001

(Dollars per Million Btu)

Year	Coal ¹		Natural Gas ²		Crude Oil ³		Fossil Fuel Composite ⁴		
	Nominal	Real ⁵	Nominal	Real ⁵	Nominal	Real ⁵	Nominal	Real ⁵	Percent Change ⁶
1949	0.21	1.22	0.05	0.31	0.44	2.54	0.26	1.52	—
1950	0.21	1.19	0.06	0.36	0.43	2.48	0.26	1.46	-3.8
1951	0.21	1.13	0.06	0.34	0.44	2.33	0.26	1.38	-5.3
1952	0.21	1.11	0.07	0.38	0.44	2.30	0.26	1.37	-0.7
1953	0.21	1.08	0.08	0.42	0.46	2.40	0.27	1.42	3.2
1954	0.19	0.99	0.09	0.46	0.48	2.46	0.28	1.43	0.5
1955	0.19	0.94	0.09	0.45	0.48	2.42	0.27	1.37	-3.9
1956	0.20	0.97	0.10	0.48	0.48	2.35	0.28	1.36	-0.8
1957	0.21	0.99	0.10	0.47	0.53	2.52	0.30	1.42	4.1
1958	0.20	0.94	0.11	0.50	0.52	2.40	0.29	1.35	-4.7
1959	0.20	0.91	0.12	0.54	0.50	2.29	0.29	1.31	-3.1
1960	0.19	0.87	0.13	0.57	0.50	2.24	0.28	1.28	-2.4
1961	0.19	0.85	0.14	0.60	0.50	2.22	0.29	1.28	0.0
1962	0.19	0.82	0.15	0.64	0.50	2.20	0.29	1.27	-0.7
1963	0.18	0.80	0.15	0.63	0.50	2.17	0.28	1.23	-2.8
1964	0.19	0.79	0.14	0.58	0.50	2.13	0.28	1.19	-3.5
1965	0.18	0.77	0.15	0.61	0.49	2.07	0.28	1.17	-1.9
1966	0.19	0.77	0.15	0.59	0.50	2.03	0.28	1.15	-1.7
1967	0.19	0.76	0.15	0.58	0.50	2.00	0.28	1.13	-1.6
1968	0.19	0.74	0.14	0.54	0.51	1.93	0.29	1.08	-3.8
1969	0.21	0.76	0.15	0.56	0.53	1.93	0.30	1.08	0.0
1970	0.27	0.92	0.15	0.53	0.55	1.89	0.32	1.09	0.9
1971	0.30	1.00	0.16	0.53	0.58	1.91	0.34	1.11	1.8
1972	0.33	1.04	0.17	0.54	0.58	1.84	0.35	1.10	-1.3
1973	0.37	1.09	0.20	0.60	0.67	2.00	0.40	1.19	7.7
1974	0.69	1.87	0.27	0.75	1.18	3.23	0.68	1.85	55.8
1975	0.85	2.11	0.40	1.00	1.32	3.30	0.82	2.05	11.1
1976	0.86	2.02	0.53	1.26	1.41	3.34	0.90	2.13	3.9
1977	0.88	1.96	0.72	1.61	1.48	3.28	1.01	2.24	5.0
1978	0.98	2.04	0.84	1.73	1.55	3.22	1.12	2.31	3.3
1979	1.06	2.03	1.08	2.07	2.18	4.17	1.42	2.71	17.3
1980	1.10	1.93	1.45	2.54	3.72	6.53	2.04	3.58	32.0
1981	1.18	1.90	1.80	2.88	5.48	8.78	2.75	4.40	22.9
1982	1.23	1.85	2.22	3.35	4.92	7.42	2.76	4.16	-5.4
1983	1.18	1.71	2.32	3.37	4.52	6.56	2.70	3.92	-5.8
1984	1.16	1.63	2.40	3.36	4.46	6.25	2.65	3.70	-5.5
1985	1.15	1.56	2.26	3.06	4.15	5.64	2.51	3.41	-8.0
1986	1.09	1.44	1.75	2.32	2.16	2.86	1.65	2.20	-35.6
1987	1.05	1.36	1.50	1.94	2.66	3.42	1.70	2.19	-0.2
1988	1.01	1.26	1.52	1.90	2.17	2.70	1.53	1.91	-12.8
1989	1.00	1.21	1.53	1.83	2.73	3.28	1.67	2.01	5.0
1990	1.00	1.15	1.55	1.79	3.45	3.99	1.84	2.13	6.1
1991	0.99	1.11	1.48	1.65	2.85	3.18	1.67	1.86	-12.5
1992	0.97	1.06	1.57	1.71	2.76	3.00	1.66	1.81	-3.1
1993	0.93	0.99	1.84	1.96	2.46	2.61	1.67	1.78	-1.6
1994	0.91	0.95	1.67	1.74	2.27	2.37	1.53	1.59	-10.5
1995	0.88	0.90	1.40	1.43	2.52	2.57	1.47	1.50	-5.5
1996	0.87	0.87	1.96	1.96	3.18	3.18	1.82	1.82	21.3
1997	0.85	0.84	2.10	2.06	2.97	2.91	1.81	1.77	-2.7
1998	0.83	0.80	R1.77	R1.71	1.87	1.82	R1.41	R1.37	R-22.9
1999	R0.79	R0.75	R1.98	R1.89	2.68	2.56	R1.65	R1.58	15.5
2000	0.80	0.74	R3.33	R3.11	4.61	R4.30	R2.60	R2.43	R54.1
2001 ^P	⁷ 0.80	⁷ 0.73	3.72	3.40	3.77	3.45	⁷ 2.56	⁷ 2.34	⁷ -3.8

¹ Bituminous coal, subbituminous coal, and lignite prices are based on the value of coal produced at free-on-board (f.o.b.) mines; anthracite prices through 1978 are f.o.b. preparation plants and for 1979 forward are f.o.b. mines.

² Wellhead prices.

³ Domestic first purchase prices.

⁴ Derived by multiplying the price per Btu of each fossil fuel by the total Btu content of the production of each fossil fuel and dividing this accumulated value of total fossil fuel production by the accumulated Btu

content of total fossil fuel production.

⁵ In chained (1996) dollars, calculated by using gross domestic product implicit price deflators. See Table E1.

⁶ Based on real values.

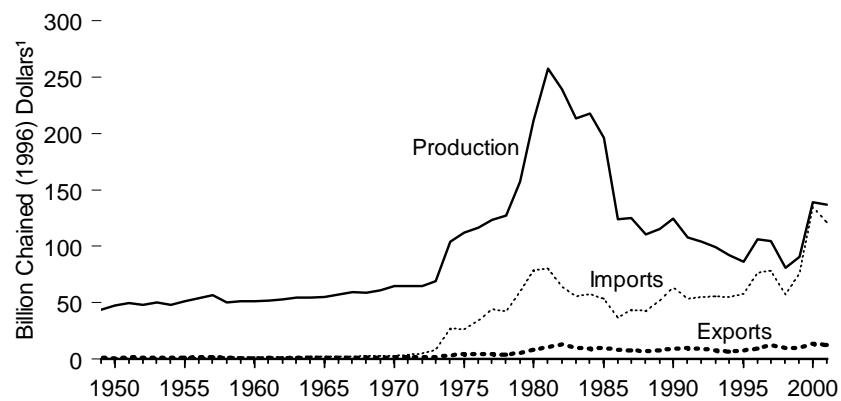
⁷ Calculated using the 2000 coal price for the 2001 value.

R=Revised. P=Preliminary. — = Not applicable.

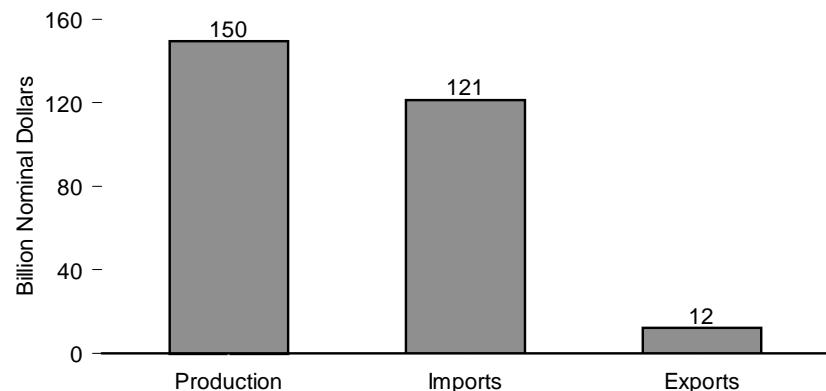
Sources: Tables 5.16, 6.7, 7.8, A2, A4, and A5.

Figure 3.2 Value of Fossil Fuel Production

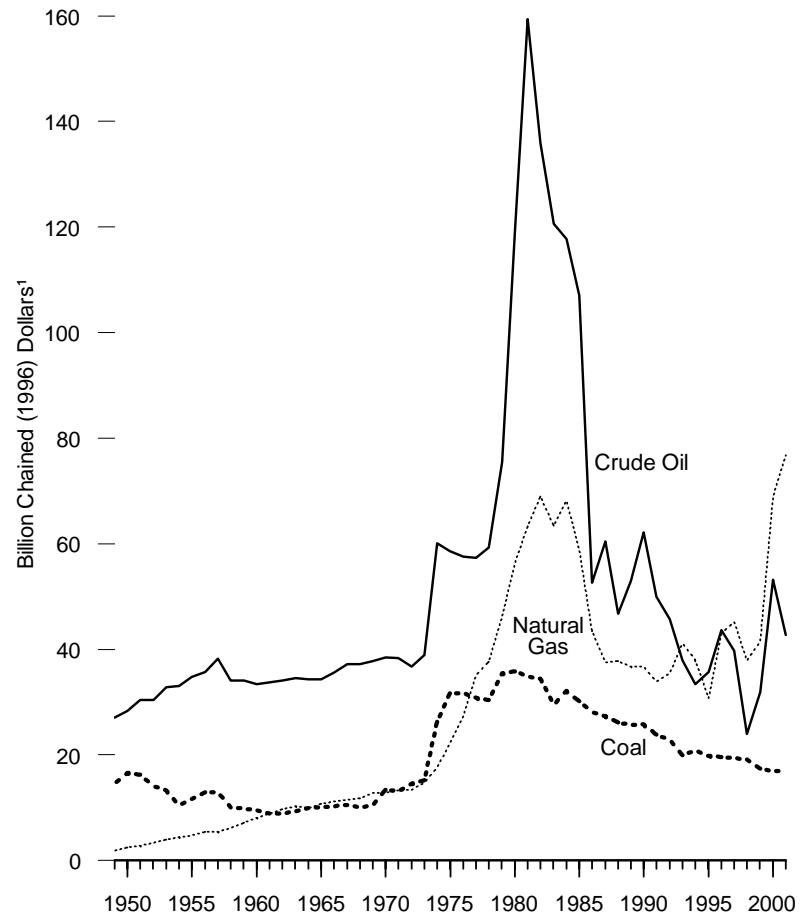
Overview, 1949-2001



Overview, 2001



Production by Fuel, 1949-2001



¹ Prices are in chained (1996) dollars, calculated by using gross domestic product implicit price deflators. See Table E1.

Note: Because vertical scales differ, graphs should not be compared.

Sources: Tables 3.2, 3.5, and 3.6.

Table 3.2 Value of Fossil Fuel Production, 1949-2001

(Billion Dollars)

Year	Coal		Natural Gas ¹		Crude Oil ²		Total	
	Nominal	Real ³	Nominal	Real ³	Nominal	Real ³	Nominal	Real ³
1949	2.52	14.60	0.33	1.91	4.68	27.11	7.53	43.62
1950	2.91	16.68	0.44	2.52	4.95	28.37	8.30	47.57
1951	3.05	16.30	0.52	2.78	5.69	30.41	9.26	49.49
1952	2.67	14.05	0.64	3.37	5.79	30.47	9.10	47.89
1953	2.55	13.25	0.76	3.95	6.32	32.83	9.63	50.03
1954	2.02	10.39	0.87	4.48	6.44	33.13	9.33	48.00
1955	2.30	11.63	0.94	4.75	6.88	34.78	10.12	51.16
1956	2.65	12.96	1.11	5.43	7.30	35.70	11.06	54.09
1957	2.74	12.97	1.17	5.54	8.09	38.29	12.00	56.80
1958	2.19	10.12	1.32	6.10	7.37	34.06	10.88	50.28
1959	2.14	9.78	1.57	7.18	7.47	34.14	11.18	51.10
1960	2.10	9.46	1.79	8.07	7.42	33.44	11.31	50.97
1961	1.99	8.87	1.99	8.87	7.58	33.78	11.56	51.52
1962	2.03	8.93	2.22	9.76	7.76	34.12	12.01	52.81
1963	2.17	9.43	2.36	10.26	7.96	34.61	12.49	54.30
1964	2.32	9.94	2.33	9.98	8.03	34.40	12.68	54.32
1965	2.40	10.09	2.57	10.81	8.15	34.27	13.12	55.17
1966	2.53	10.34	2.75	11.24	8.72	35.65	14.00	57.23
1967	2.65	10.51	2.91	11.54	9.39	37.25	14.95	59.30
1968	2.64	10.04	3.09	11.75	9.79	37.22	15.52	59.01
1969	2.90	10.51	3.52	12.76	10.42	37.77	16.84	61.04
1970	3.88	13.35	3.73	12.84	11.19	38.51	18.80	64.70
1971	4.01	13.14	4.05	13.27	11.71	38.37	19.77	64.78
1972	4.65	14.61	4.28	13.45	11.71	36.80	20.64	64.86
1973	5.14	15.30	4.98	14.82	13.07	38.90	23.19	69.02
1974	9.65	26.35	6.48	17.70	22.00	60.08	38.13	104.13
1975	12.67	31.65	8.85	22.11	23.45	58.58	44.97	112.34
1976	13.40	31.68	11.57	27.35	24.37	57.61	49.34	116.64
1977	13.91	30.90	15.82	35.14	25.79	57.29	55.52	123.33
1978	14.65	30.38	18.18	37.69	28.60	59.30	61.43	127.37
1979	18.55	35.50	24.16	46.24	39.45	75.50	82.16	157.24
1980	20.45	35.85	32.09	56.26	67.93	119.09	120.47	211.20
1981	21.75	34.87	39.51	63.35	99.40	159.37	160.66	257.59
1982	22.84	34.48	45.71	69.00	90.03	135.89	158.58	239.37
1983	20.32	29.50	43.73	63.49	83.05	120.57	147.10	213.56
1984	22.94	32.11	48.69	68.16	84.10	117.72	155.73	217.99
1985	22.27	30.22	43.35	58.83	78.88	107.04	144.50	196.09
1986	21.18	28.12	32.71	43.43	39.63	52.62	93.52	124.17
1987	21.20	27.33	29.11	37.52	46.93	60.49	97.24	125.34
1988	20.97	26.14	30.28	37.75	37.48	46.73	88.73	110.62
1989	21.40	25.70	30.58	36.72	44.07	52.92	96.05	115.34
1990	22.39	25.88	31.80	36.76	53.77	62.15	107.96	124.79
1991	21.40	23.87	30.39	33.89	44.77	49.93	96.56	107.69
1992	20.98	22.84	32.56	35.45	41.97	45.70	95.51	103.99
1993	18.77	19.96	38.72	41.17	35.61	37.86	93.10	98.99
1994	20.06	20.89	36.46	37.98	32.07	33.40	88.59	92.27
1995	19.45	19.83	30.24	30.83	35.00	35.68	84.69	86.34
1996	19.68	19.68	42.99	42.99	43.68	43.68	106.35	106.35
1997	19.77	19.39	46.09	45.21	40.57	39.79	106.43	104.39
1998	19.75	R19.14	R39.12	R37.91	24.80	24.03	R83.67	R81.08
1999	R18.30	R17.49	R43.37	R41.44	33.40	R31.92	R95.07	R90.85
2000	R18.02	R16.83	R73.81	R68.96	R56.93	R53.19	R148.76	R138.98
2001 ^P	418.82	417.21	84.01	76.81	46.70	42.70	449.53	4136.72

¹ Marketed production.

² Includes lease condensate.

³ In chained (1996) dollars, calculated by using gross domestic product implicit price deflators. See Table E1.

⁴ Calculated using the 2000 coal price for the 2001 value.

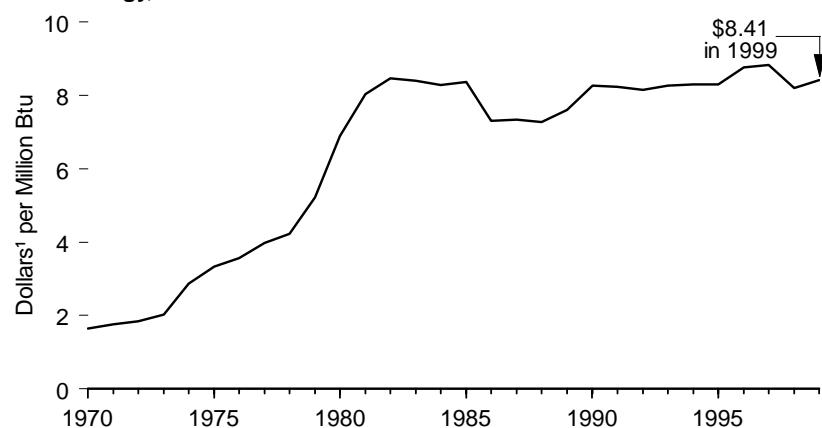
R=Revised. P=Preliminary.

Note: Value is based on fuel prices taken as closely as possible to the point of production.

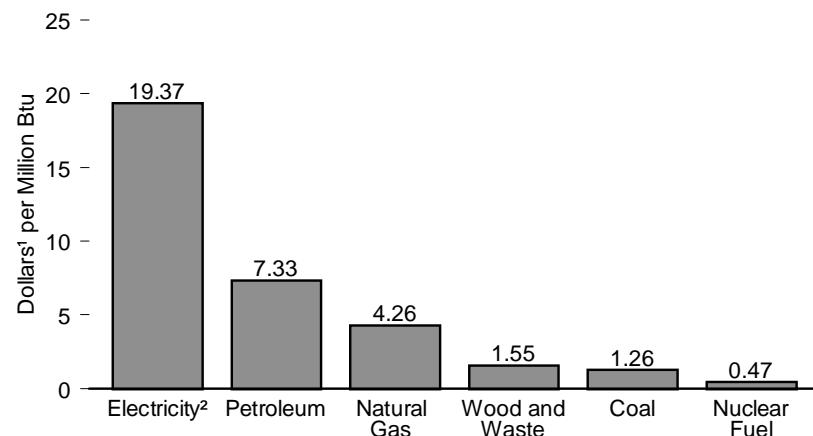
Sources: Tables 5.1, 5.16, 6.2, 6.7, 7.2, and 7.8.

Figure 3.3 Consumer Price Estimates for Energy

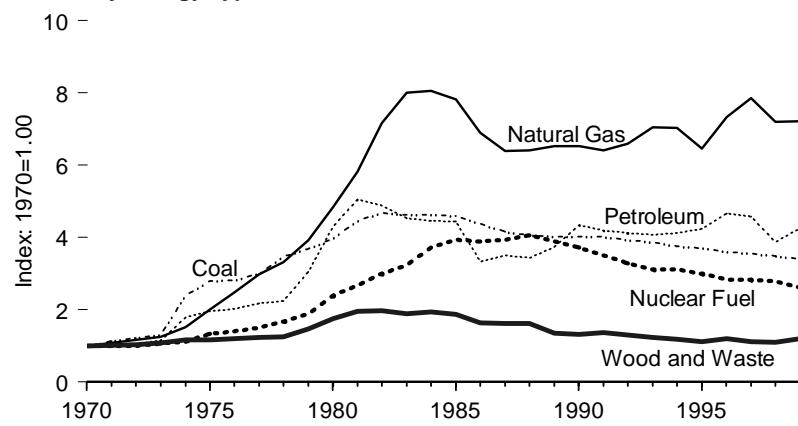
Total Energy, 1970-1999



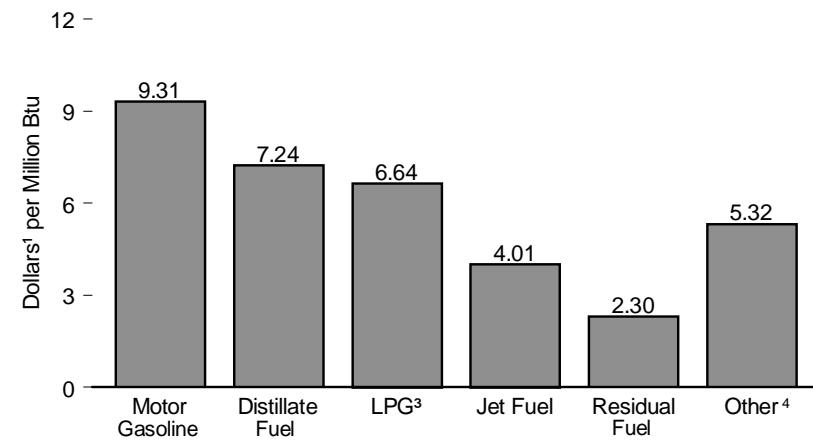
By Energy Type, 1999



Prices¹ by Energy Type, Indexed, 1970-1999



By Petroleum Product, 1999



¹ Nominal dollars.

² Electricity purchased by end users.

³ Liquefied petroleum gases.

⁴ Consumption-weighted average price for asphalt and road oil, aviation gasoline, kerosene, lubricants, petrochemical feedstocks, petroleum coke, special naphthas, waxes, and miscellaneous petroleum products.

Note: Because vertical scales differ, graphs should not be compared.

Source: Table 3.3.

Table 3.3 Consumer Price Estimates for Energy, 1970-1999

(Nominal Dollars per Million Btu)

Year	Primary Energy ¹											Electric Utility Fuel	Electricity Purchased by End-Users	Total Energy ⁴		
	Coal	Natural Gas	Petroleum							Nuclear Fuel	Wood and Waste	Total ⁴				
			Distillate Fuel	Jet Fuel	LPG ²	Motor Gasoline	Residual Fuel	Other ³	Total							
1970	0.37	0.59	1.16	0.73	1.46	2.85	0.42	1.38	1.72	0.18	1.29	1.08	0.32	4.98	1.65	
1971	0.42	0.63	1.22	0.77	1.49	2.90	0.58	1.44	1.79	0.18	1.31	1.15	0.38	5.30	1.76	
1972	0.45	0.68	1.22	0.79	1.52	2.88	0.62	1.49	1.78	0.18	1.33	1.18	0.41	5.54	1.84	
1973	0.48	0.73	1.46	0.92	2.02	3.10	0.75	1.57	1.97	0.19	1.39	1.29	0.46	5.86	2.02	
1974	0.88	0.89	2.44	1.58	2.81	4.32	1.82	2.59	3.06	0.20	1.50	1.94	0.86	7.42	2.87	
1975	1.03	1.18	2.60	2.05	2.97	4.65	1.93	2.92	3.35	0.24	1.50	2.19	0.96	8.61	3.33	
1976	1.04	1.46	2.77	2.25	3.21	4.84	1.90	3.07	3.47	0.25	1.53	2.34	1.02	9.13	3.57	
1977	1.11	1.76	3.11	2.59	3.65	5.13	2.14	3.25	3.73	0.27	1.58	2.57	1.16	10.11	3.98	
1978	1.28	1.95	3.26	2.87	3.60	5.24	2.08	3.44	3.84	0.30	1.61	2.71	1.25	10.92	4.23	
1979	1.36	2.31	4.69	3.90	4.50	7.11	2.83	4.69	5.23	0.34	1.88	3.47	1.48	11.78	5.21	
1980	1.47	2.86	6.70	6.36	5.64	9.84	3.88	7.02	7.40	0.43	2.26	4.57	1.75	13.95	6.89	
1981	1.65	3.43	8.03	7.57	6.18	10.94	4.91	8.63	8.68	0.48	2.53	5.24	2.00	16.14	8.03	
1982	1.73	4.23	7.78	7.23	6.66	10.39	4.65	7.83	8.39	0.54	2.54	5.32	2.01	18.16	8.46	
1983	1.71	4.72	7.32	6.53	7.17	9.12	4.50	7.58	7.77	0.58	2.43	5.11	1.98	18.62	8.39	
1984	1.71	4.75	7.36	6.25	6.93	8.89	4.75	7.64	7.67	0.67	2.50	5.02	1.97	18.50	8.28	
1985	1.70	4.61	7.18	5.91	6.54	9.01	4.30	7.52	7.62	0.71	R2.41	4.90	1.85	19.05	8.36	
1986	1.62	4.07	5.66	3.92	6.42	6.79	2.37	5.77	5.72	0.70	R2.10	3.95	1.55	19.05	7.30	
1987	1.54	3.77	5.94	4.03	6.06	R7.23	2.86	5.59	6.03	0.71	R2.07	3.97	1.51	18.74	7.33	
1988	1.50	3.78	5.80	3.80	5.86	R7.33	2.35	5.23	5.90	0.73	R2.08	3.87	1.45	18.68	7.26	
1989	1.49	3.85	6.45	4.39	5.53	R8.02	2.72	5.47	R6.43	0.70	R1.74	4.09	1.48	18.98	R7.60	
1990	1.49	3.85	7.70	5.68	6.75	9.12	3.16	5.80	7.47	0.67	R1.70	R4.49	1.46	19.33	R8.27	
1991	1.49	3.78	7.28	4.83	6.79	8.93	2.62	5.72	7.19	0.63	R1.76	4.32	1.37	19.85	R8.23	
1992	1.45	3.89	7.11	4.52	6.19	8.96	2.27	5.49	7.07	0.59	R1.67	R4.28	1.34	20.06	R8.15	
1993	1.43	4.16	7.10	4.29	6.20	R8.83	2.25	5.47	7.01	0.56	R1.59	R4.30	1.35	20.38	R8.26	
1994	1.39	4.15	7.03	3.95	6.61	R8.96	2.32	5.46	R7.07	0.56	R1.51	R4.31	1.30	20.34	R8.29	
1995	1.37	3.81	7.02	4.00	6.54	R9.22	2.46	5.72	R7.29	0.54	R1.44	4.29	1.23	20.30	8.29	
1996	1.33	4.33	7.90	4.82	R8.01	R9.85	2.79	6.22	R8.02	0.51	R1.53	4.70	1.28	20.17	R8.76	
1997	1.31	R4.63	7.70	4.53	7.42	R9.81	R2.93	R5.91	R7.87	0.51	R1.43	R4.73	1.30	20.15	8.82	
1998	1.29	4.25	6.63	3.35	5.99	8.45	2.15	5.06	6.65	0.50	1.42	4.14	1.24	19.82	8.19	
1999	1.26	4.26	7.24	4.01	6.64	9.31	2.30	5.32	7.33	0.47	1.55	4.44	1.21	19.37	8.41	

¹ Primary energy is all energy, including that consumed to produce electricity but excluding the electricity produced.

² Liquefied petroleum gases.

³ Consumption-weighted average price for asphalt and road oil, aviation gasoline, kerosene, lubricants, petrochemical feedstocks, petroleum coke, special naphthas, waxes, and miscellaneous petroleum products.

⁴ The "Primary Energy Total" and "Total Energy" prices include consumption-weighted average prices

for coal coke imports and coal coke exports that are not shown in the other columns. In 1999, coal coke imports averaged 2.83 dollars per million Btu and coal coke exports averaged 3.88 dollars per million Btu.

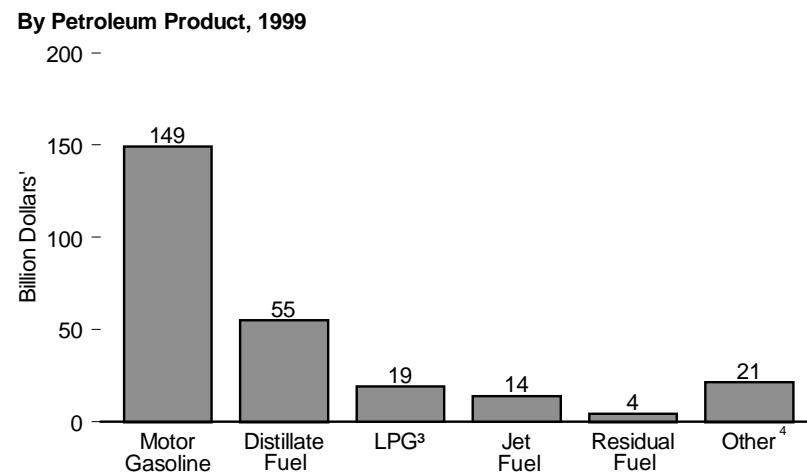
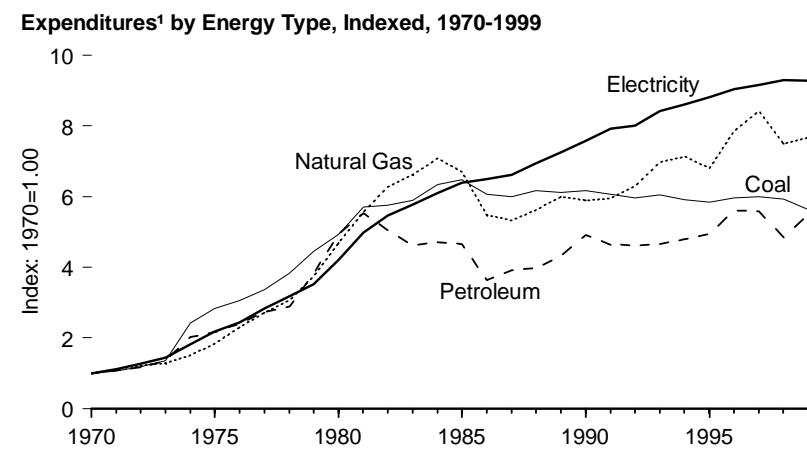
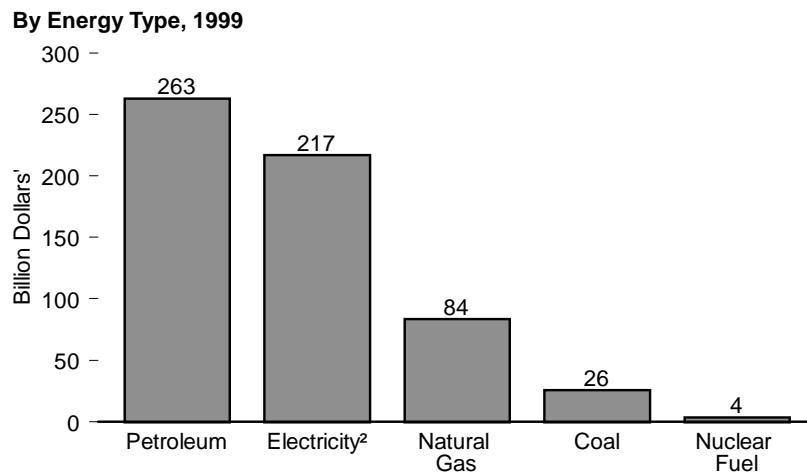
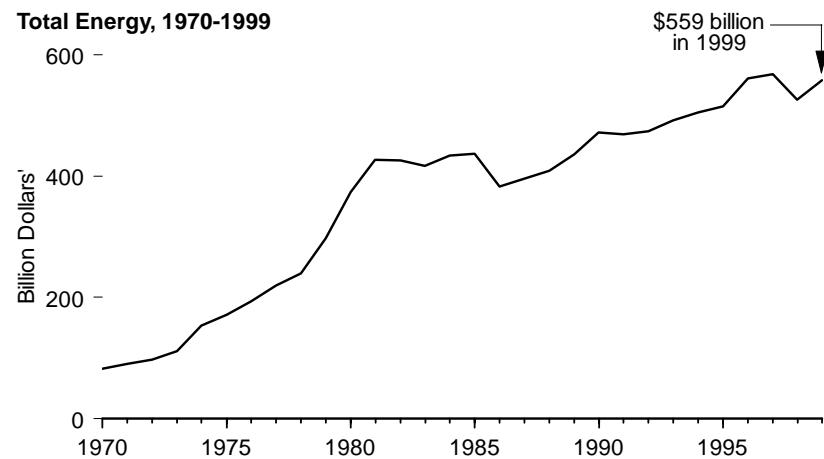
R=Revised.

Note: There are no direct fuel costs for hydroelectric, geothermal, wind, or solar energy.

Web Page: <http://www.eia.doe.gov/emeu/seper/contents.html>.

Source: Energy Information Administration (EIA), *State Energy Price and Expenditure Report 1999* (November 2001), Table 5.

Figure 3.4 Consumer Expenditure Estimates for Energy



¹ Nominal dollars.

² Electricity purchased by end users.

³ Liquefied petroleum gases.

⁴ Asphalt and road oil, aviation gasoline, kerosene, lubricants, petrochemical feedstocks, petroleum coke, special naphthas, waxes, and miscellaneous petroleum products.

Note: Because vertical scales differ, graphs should not be compared.

Source: Table 3.4.

Table 3.4 Consumer Expenditure Estimates for Energy, 1970-1999
 (Million Nominal Dollars)

Year	Primary Energy ¹													Electric Utility Fuel	Electricity Purchased by End-Users	Total Energy			
	Coal	Net Imports of Coal Coke ²	Natural Gas	Petroleum							Nuclear Fuel	Wood and Waste	Total						
				Distillate Fuel	Jet Fuel	LPG ³	Motor Gasoline	Residual Fuel	Other ⁴	Total									
1970	4,594	-75	10,891	6,253	1,441	2,446	31,596	2,046	R4,159	47,942	44	438	63,833	-4,316	23,345	82,862			
1971	4,883	-40	12,065	6,890	1,582	2,531	33,478	R2,933	4,429	51,844	73	446	69,271	-5,441	26,202	90,032			
1972	5,412	-26	13,198	7,552	1,682	2,889	35,346	3,458	R4,756	55,682	104	476	74,845	-6,473	29,712	98,084			
1973	6,251	7	13,933	9,524	2,001	3,933	39,667	4,667	R5,300	65,091	R177	502	85,961	-7,817	33,774	111,918			
1974	11,145	150	16,380	R15,217	3,208	5,273	54,194	R10,547	R8,264	96,704	259	544	125,182	-14,391	42,586	153,377			
1975	13,047	82	20,061	15,680	4,193	5,231	59,446	10,374	8,448	103,372	448	534	137,544	-16,396	50,680	171,828			
1976	14,079	44	25,097	18,402	4,567	5,993	64,977	11,648	R9,880	115,468	520	622	155,830	-18,923	56,972	193,880			
1977	15,448	67	29,602	22,004	5,517	6,824	70,591	14,381	11,719	131,036	743	694	177,590	-23,392	66,225	220,423			
1978	17,595	362	33,185	23,587	6,205	6,621	74,513	13,747	13,294	137,967	915	782	190,806	-25,746	74,159	239,219			
1979	20,421	259	40,785	32,854	8,603	9,383	95,916	17,656	R18,760	183,173	941	964	246,543	-31,031	82,051	297,563			
1980	22,648	-78	51,061	40,797	13,923	10,926	124,408	21,573	26,001	237,628	1,189	R1,252	R313,700	-37,435	98,095	R374,360			
1981	26,231	-31	60,544	48,200	15,607	11,900	138,138	22,668	R28,445	264,957	1,436	1,452	354,589	-43,275	116,455	427,769			
1982	26,426	-52	68,292	44,087	14,974	12,925	130,305	17,632	R22,355	242,279	1,684	1,475	R340,104	-41,311	127,393	426,187			
1983	27,051	-44	72,000	41,846	13,979	14,083	R115,803	14,099	21,536	R221,345	1,859	1,504	R323,715	-41,336	134,731	R417,111			
1984	29,093	-22	77,169	44,580	15,097	14,143	R114,429	14,410	R22,576	R225,234	2,384	1,552	R335,408	-43,378	142,420	R434,450			
1985	29,723	-34	72,938	43,759	14,747	13,545	R118,048	11,493	22,004	R223,597	2,930	R1,493	R330,647	-42,558	149,233	R437,321			
1986	27,895	-40	59,702	34,995	10,505	12,694	R91,529	7,486	17,579	R174,788	3,125	R1,319	R266,788	-35,793	151,793	R382,789			
1987	27,566	7	58,019	37,587	11,448	12,859	R99,864	8,062	17,581	R187,400	3,486	R1,299	R277,778	-36,692	154,685	R395,770			
1988	28,365	116	61,089	38,593	11,318	12,775	R103,323	7,259	R16,674	R189,941	4,111	R1,358	R284,980	-37,435	162,063	R409,608			
1989	28,105	137	65,383	43,246	13,434	12,154	R112,720	8,354	16,965	R206,872	3,992	R1,656	R306,245	-38,995	169,332	R436,582			
1990	28,372	22	64,102	49,430	17,784	13,680	R126,558	8,707	19,169	R235,328	4,142	R1,678	R333,528	R-38,325	176,737	R471,940			
1991	27,871	R44	64,697	45,181	14,609	14,922	R123,118	6,786	18,160	R222,776	R4,173	R1,782	R321,424	R-36,581	184,814	R469,656			
1992	27,409	R126	68,400	45,110	13,559	14,161	R125,249	5,575	R18,267	R221,923	3,878	R1,792	R323,598	R-35,836	186,954	R474,717			
1993	27,763	R96	75,941	45,885	13,002	13,961	R126,560	5,439	R18,250	R223,096	3,658	R1,673	R322,295	R-36,719	196,579	R492,156			
1994	27,186	R214	77,716	47,240	12,474	16,253	R130,068	5,288	R18,654	R229,976	3,858	R1,893	R341,026	R-36,138	200,883	R505,771			
1995	26,861	R234	74,150	47,845	12,525	16,250	R136,647	4,667	19,175	R237,110	3,865	R1,877	R344,246	R-34,820	205,932	R515,358			
1996	R27,369	R156	85,634	56,675	15,770	R21,159	R148,344	5,297	R21,202	R268,447	3,666	R2,059	R387,469	R-36,677	211,011	R561,803			
1997	R27,523	R170	R91,736	56,199	15,000	R19,861	R149,668	R5,211	R21,683	R267,621	3,396	R1,817	R392,405	R-37,808	213,645	R568,242			
1998	27,195	188	81,628	48,763	11,239	15,343	132,730	4,288	20,004	232,367	3,613	1,813	346,869	-37,573	216,928	526,224			
1999	25,920	140	83,512	54,996	13,878	19,147	149,260	4,300	21,332	262,912	3,617	2,341	378,554	-36,550	216,737	558,742			

¹ Primary energy is all energy, including that consumed to produce electricity but excluding the electricity produced.

² Values derive from U.S. Department of Commerce, Bureau of the Census, "Monthly Report IM-145" and "Monthly Report IM-545," and may differ slightly from those shown on Table 3.7, which derive from Bureau of the Census, *U.S. International Trade in Goods and Services*. FT600 series.

³ Liquefied petroleum gases.

⁴ Asphalt and road oil, aviation gasoline, kerosene, lubricants, petrochemical feedstocks, petroleum

coke, special naphthas, waxes, and miscellaneous petroleum products.

R=Revised.

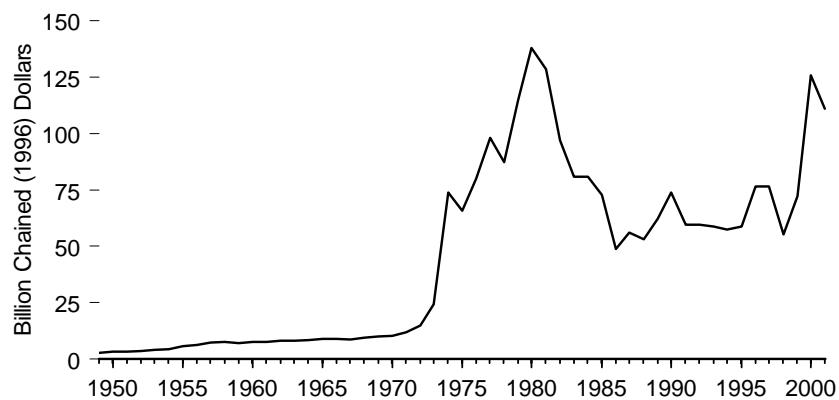
Notes: • There are no direct fuel costs for hydroelectric, geothermal, wind, or solar energy. • Totals may not equal the sum of components due to independent rounding.

Web Page: <http://www.eia.doe.gov/emeu/seper/contents.html>.

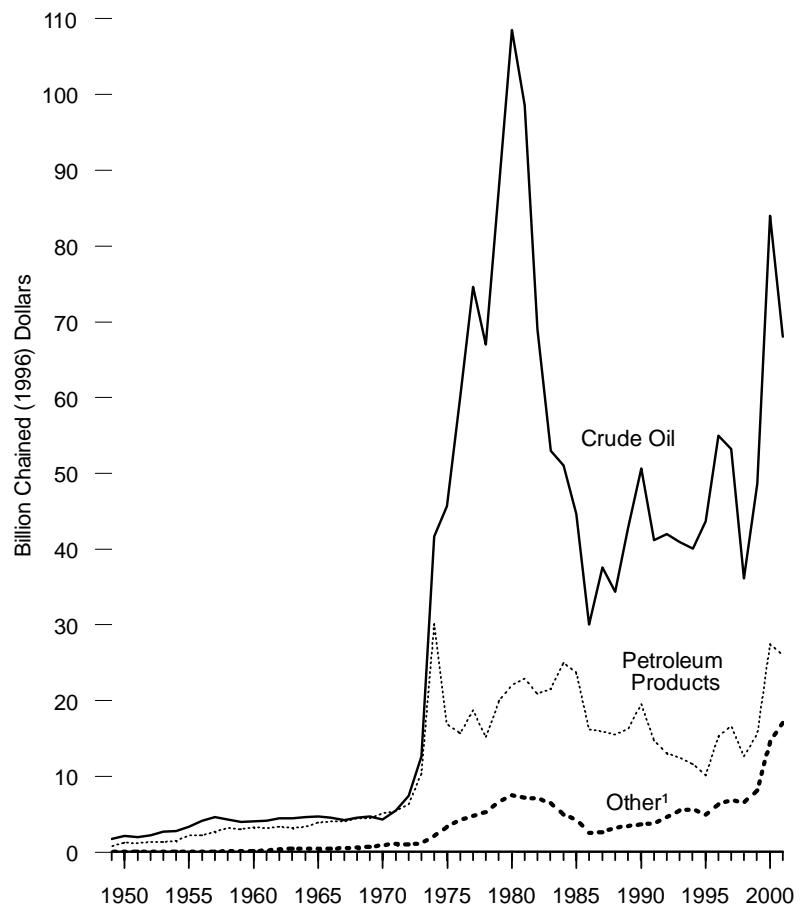
Source: Energy Information Administration (EIA), *State Energy Price and Expenditure Report 1999* (November 2001), Table 5.

Figure 3.5 Value of Fossil Fuel Imports

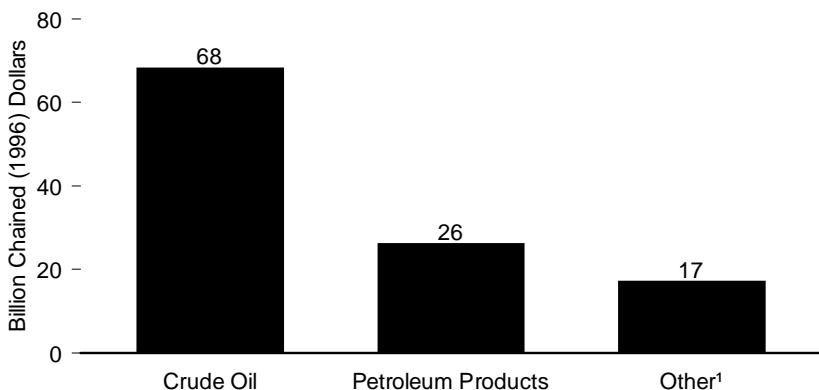
Total, 1949-2001



By Fuel, 1949-2001



By Fuel, 2001



¹ Natural gas, coal, and coal coke.

Notes: • Prices are in chained (1996) dollars, calculated by using gross domestic product implicit price deflators. See Table E1. • Because vertical scales differ, graphs should not be compared.

Source: Table 3.5.

Table 3.5 Value of Fossil Fuel Imports, 1949-2001
(Billion Dollars)

Year	Coal		Coal Coke		Natural Gas		Crude Oil ¹		Petroleum Products ²		Total	
	Nominal	Real ³	Nominal	Real ³	Nominal	Real ³	Nominal	Real ³	Nominal	Real ³	Nominal	Real ³
1949	(s)	0.01	(s)	0.02	0.00	0.00	0.30	1.77	0.14	0.79	0.45	2.60
1950	(s)	0.02	0.01	0.03	0.00	0.00	0.37	2.12	0.21	1.23	0.59	3.39
1951	(s)	0.01	(s)	0.01	0.00	0.00	0.37	2.00	0.23	1.21	0.61	3.24
1952	(s)	0.01	(s)	0.02	(s)	(s)	0.42	2.23	0.25	1.33	0.68	3.60
1953	(s)	0.01	(s)	0.01	(s)	0.01	0.51	2.65	0.25	1.31	0.77	3.98
1954	(s)	0.01	(s)	0.01	(s)	(s)	0.54	2.80	0.28	1.46	0.83	4.28
1955	(s)	0.01	(s)	0.01	(s)	0.01	0.65	3.31	0.44	2.23	1.10	5.57
1956	(s)	0.01	(s)	0.01	(s)	0.01	0.84	4.10	0.45	2.19	1.29	6.31
1957	(s)	0.01	(s)	0.01	(s)	0.02	0.98	4.64	0.57	2.69	1.56	7.36
1958	(s)	0.01	(s)	0.01	0.02	0.10	0.94	4.34	0.68	3.16	1.65	7.63
1959	(s)	0.01	(s)	0.01	0.03	0.12	0.87	3.99	0.66	3.03	1.57	7.16
1960	(s)	0.01	(s)	0.01	0.03	0.13	0.90	4.03	0.73	3.30	1.66	7.47
1961	(s)	0.01	(s)	0.01	0.04	0.20	0.93	4.16	0.71	3.16	1.69	7.54
1962	(s)	0.01	(s)	0.01	0.09	0.38	1.01	4.45	0.75	3.31	1.86	8.16
1963	(s)	0.01	(s)	0.01	0.10	0.43	1.03	4.46	0.74	3.21	1.87	8.11
1964	(s)	0.01	(s)	0.01	0.10	0.43	1.08	4.63	0.78	3.35	1.97	8.43
1965	(s)	0.01	(s)	0.01	0.11	0.44	1.12	4.71	0.92	3.88	2.15	9.05
1966	(s)	0.01	(s)	0.01	0.11	0.43	1.12	4.56	0.99	4.04	2.21	9.04
1967	(s)	0.01	(s)	0.01	0.13	0.51	1.06	4.22	1.02	4.03	2.21	8.78
1968	(s)	0.01	(s)	0.01	0.15	0.56	1.18	4.50	1.16	4.43	2.50	9.50
1969	(s)	(s)	(s)	0.01	0.20	0.71	1.30	4.71	1.24	4.49	2.74	9.92
1970	(s)	(s)	(s)	0.01	0.26	0.89	1.26	4.34	1.48	5.10	3.00	10.34
1971	(s)	0.01	0.01	0.02	0.31	1.02	1.69	5.53	1.66	5.43	3.66	12.00
1972	(s)	(s)	(s)	0.01	0.31	0.99	2.37	7.45	1.99	6.25	4.68	14.70
1973	(s)	(s)	0.04	0.12	0.36	1.08	4.24	12.62	3.50	10.41	8.14	24.23
1974	0.06	0.16	0.19	0.53	0.53	1.45	15.25	41.65	11.01	30.07	27.05	73.86
1975	0.02	0.05	0.16	0.39	1.15	2.88	18.29	45.69	6.77	16.91	26.39	65.92
1976	0.02	0.04	0.11	0.26	1.66	3.92	25.46	60.18	6.65	15.72	33.90	80.13
1977	0.04	0.09	0.13	0.29	2.00	4.44	33.59	74.61	8.42	18.70	44.18	98.13
1978	0.07	0.15	0.41	0.85	2.06	4.27	32.30	66.97	7.30	15.14	42.15	87.38
1979	0.05	0.10	0.34	0.65	3.13	5.98	46.06	88.15	10.45	20.00	60.03	114.88
1980	0.03	0.05	0.05	0.09	4.21	7.39	61.90	108.52	12.54	21.99	78.74	138.04
1981	0.03	0.05	0.04	0.07	4.41	7.07	61.46	98.54	14.30	22.92	80.24	128.65
1982	0.02	0.03	0.01	0.01	4.69	7.09	45.72	69.02	13.86	20.92	64.31	97.08
1983	0.04	0.06	(s)	(s)	4.39	6.37	36.49	52.98	14.84	21.55	55.77	80.96
1984	0.05	0.06	0.05	0.07	3.44	4.81	36.44	51.01	17.87	25.01	57.84	80.96
1985	0.07	0.10	0.04	0.06	3.05	4.14	32.90	44.65	17.47	23.70	53.53	72.64
1986	0.08	0.11	0.03	0.03	1.82	2.42	22.61	30.02	12.18	16.18	36.72	48.75
1987	0.06	0.07	0.05	0.07	1.93	2.49	29.13	37.55	12.37	15.94	43.54	56.12
1988	0.06	0.08	0.19	0.24	2.38	2.97	27.55	34.34	12.43	15.50	42.62	53.13
1989	0.10	0.12	0.22	0.26	2.51	3.01	35.53	42.67	13.50	16.21	51.85	62.26
1990	0.09	0.11	0.07	0.08	2.97	3.44	43.78	50.61	16.90	19.54	63.83	73.78
1991	0.11	0.13	0.09	0.10	3.24	3.61	36.90	41.16	13.17	14.69	53.51	59.68
1992	0.13	0.14	0.14	0.16	3.96	4.31	38.55	41.98	11.98	13.05	54.77	59.63
1993	0.25	0.27	0.17	0.18	4.77	5.07	38.47	40.90	11.74	12.48	55.40	58.90
1994	0.27	0.28	0.27	0.29	4.90	5.11	38.48	40.08	11.14	11.61	55.07	57.36
1995	0.32	0.33	0.33	0.33	4.23	4.31	42.81	43.64	9.95	10.14	57.64	58.75
1996	0.27	0.27	0.24	0.24	5.79	5.79	54.93	54.93	15.27	15.27	76.51	76.51
1997	0.26	0.25	0.25	0.25	6.50	6.37	54.23	53.19	R416.93	R416.60	78.16	76.66
1998	0.28	0.27	0.29	0.28	6.21	6.02	37.25	R36.10	13.01	12.61	57.05	R55.28
1999	0.28	0.27	0.23	0.22	8.03	R7.68	50.89	R48.63	16.28	R15.56	75.71	R72.35
2000	0.38	0.35	0.25	0.23	R14.94	R13.95	R89.88	R83.96	R27.44	R29.38	R134.81	R125.95
2001 ^P	0.67	0.62	0.17	0.16	17.77	16.25	74.43	68.05	28.44	26.00	121.48	111.08

¹ Includes imports into the Strategic Petroleum Reserve, which began in 1977.

² Includes petroleum preparations; liquefied propane; and butane; and since 1997 other mineral fuels.

³ In chained (1996) dollars, calculated by using gross domestic product implicit price deflators. See Table E1.

⁴ There is a discontinuity in this time series between 1996 and 1997 due to the addition of the commodity category "other mineral fuels."

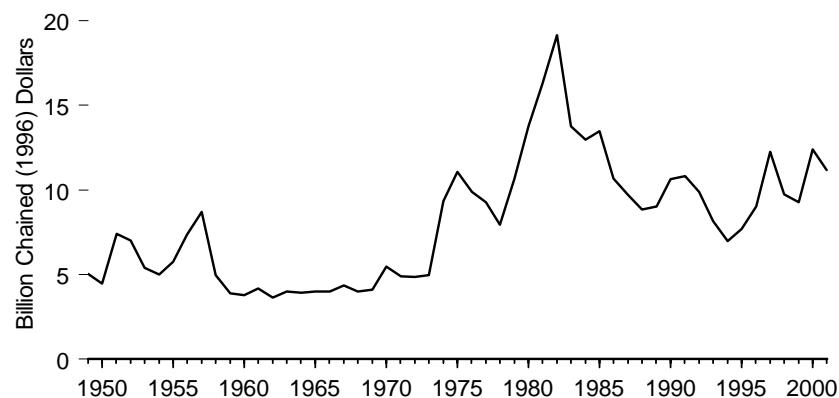
R=Revised. P=Preliminary. (s)=Less than 0.005 billion.

Notes: • Includes value of imports into Puerto Rico from foreign countries; excludes receipts into the 50 States and the District of Columbia from the Virgin Islands and Puerto Rico. • Totals may not equal sum of components due to independent rounding.

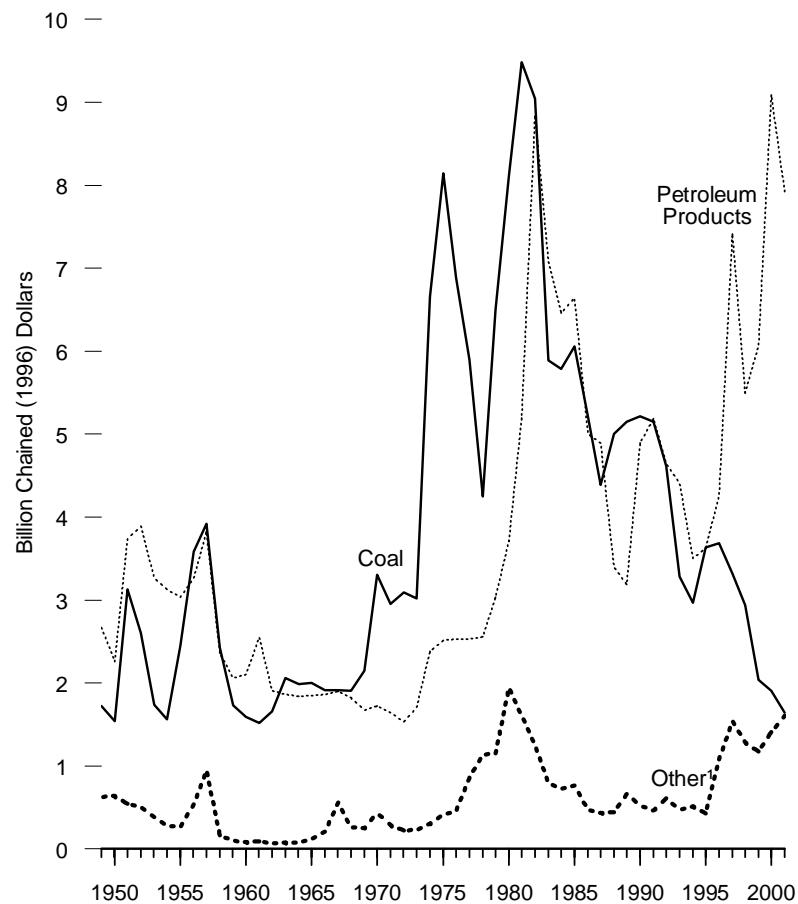
Sources: See end of section.

Figure 3.6 Value of Fossil Fuel Exports

Total, 1949-2001



By Fuel, 1949-2001



¹ Natural gas, crude oil, and coal coke.

Notes: • Prices are in chained (1996) dollars, calculated by using gross domestic product implicit price deflators. See Table E1. • Because vertical scales differ, graphs should not be compared.

Source: Table 3.6.

Table 3.6 Value of Fossil Fuel Exports, 1949-2001
(Billion Dollars)

Year	Coal		Coal Coke		Natural Gas		Crude Oil		Petroleum Products ¹		Total	
	Nominal	Real ²	Nominal	Real ²	Nominal	Real ²	Nominal	Real ²	Nominal	Real ²	Nominal	Real ²
1949	0.30	1.72	0.01	0.05	(s)	0.01	0.10	0.57	0.46	2.67	0.87	5.02
1950	0.27	1.54	0.01	0.04	(s)	0.02	0.10	0.59	0.39	2.26	0.78	4.45
1951	0.59	3.13	0.02	0.09	(s)	0.02	0.08	0.44	0.70	3.74	1.39	7.42
1952	0.49	2.60	0.01	0.07	(s)	0.02	0.08	0.41	0.74	3.89	1.33	7.00
1953	0.34	1.74	0.01	0.05	(s)	0.02	0.06	0.31	0.63	3.27	1.04	5.39
1954	0.30	1.57	0.01	0.03	(s)	0.02	0.05	0.23	0.61	3.13	0.97	4.98
1955	0.48	2.45	0.01	0.04	0.01	0.03	0.04	0.20	0.60	3.03	1.14	5.75
1956	0.73	3.58	0.01	0.06	0.01	0.04	0.09	0.44	0.67	3.26	1.51	7.38
1957	0.83	3.92	0.01	0.07	0.01	0.06	0.17	0.82	0.81	3.82	1.84	8.69
1958	0.53	2.43	0.01	0.03	0.01	0.07	0.01	0.07	0.51	2.36	1.07	4.96
1959	0.38	1.73	0.01	0.04	0.01	0.03	0.01	0.03	0.45	2.06	0.85	3.89
1960	0.35	1.59	0.01	0.03	(s)	0.02	0.01	0.04	0.47	2.10	0.84	3.78
1961	0.34	1.52	0.01	0.04	(s)	0.02	0.01	0.04	0.57	2.55	0.93	4.16
1962	0.38	1.66	0.01	0.03	(s)	0.02	0.01	0.02	0.43	1.90	0.83	3.63
1963	0.47	2.06	0.01	0.04	(s)	0.02	(s)	0.02	0.43	1.86	0.92	4.00
1964	0.46	1.98	0.01	0.04	(s)	0.02	(s)	0.02	0.43	1.84	0.91	3.90
1965	0.48	2.01	0.02	0.07	0.01	0.03	(s)	0.02	0.44	1.85	0.95	3.97
1966	0.47	1.91	0.02	0.10	0.02	0.07	0.01	0.04	0.46	1.86	0.97	3.99
1967	0.48	1.91	0.02	0.07	0.03	0.13	0.09	0.37	0.48	1.90	1.10	4.37
1968	0.50	1.91	0.02	0.07	0.04	0.15	0.01	0.04	0.48	1.83	1.05	4.00
1969	0.59	2.15	0.04	0.14	0.03	0.09	0.01	0.02	0.46	1.68	1.13	4.08
1970	0.96	3.31	0.08	0.27	0.03	0.10	0.02	0.06	0.50	1.73	1.59	5.47
1971	0.90	2.95	0.04	0.15	0.04	0.13	0.01	0.02	0.50	1.65	1.49	4.89
1972	0.98	3.09	0.03	0.10	0.04	0.12	(s)	0.01	0.49	1.54	1.55	4.86
1973	1.01	3.02	0.03	0.10	0.04	0.12	(s)	0.01	0.57	1.70	1.66	4.95
1974	2.44	6.65	0.04	0.12	0.05	0.15	0.01	0.04	0.87	2.38	3.42	9.34
1975	3.26	8.14	0.07	0.19	0.09	0.23	(s)	(s)	1.01	2.52	4.43	11.07
1976	2.91	6.88	0.07	0.16	0.10	0.24	0.03	0.06	1.07	2.53	4.17	9.87
1977	2.66	5.90	0.07	0.16	0.11	0.24	0.21	0.46	1.14	2.53	4.18	9.29
1978	2.05	4.25	0.05	0.10	0.11	0.23	0.39	0.81	1.23	2.56	3.83	7.95
1979	3.40	6.50	0.08	0.15	0.13	0.24	0.39	0.75	1.58	3.03	5.58	10.69
1980	4.63	8.11	0.13	0.23	0.23	0.40	0.75	1.32	2.12	3.72	7.86	13.78
1981	5.92	9.49	0.07	0.12	0.35	0.56	0.58	0.92	3.24	5.19	10.16	16.28
1982	5.99	9.04	0.06	0.09	0.30	0.45	0.47	0.71	5.86	8.85	12.68	19.14
1983	4.06	5.89	0.05	0.07	0.28	0.40	0.22	0.33	4.88	7.08	9.48	13.77
1984	4.13	5.78	0.07	0.10	0.27	0.38	0.19	0.26	4.62	6.46	9.27	12.98
1985	4.47	6.06	0.08	0.10	0.26	0.36	0.23	0.31	4.90	6.64	9.93	13.47
1986	3.93	5.22	0.07	0.09	0.17	0.23	0.12	0.16	3.77	5.00	8.05	10.69
1987	3.40	4.39	0.05	0.06	0.17	0.21	0.13	0.16	3.80	4.89	7.54	9.72
1988	4.01	5.00	0.08	0.10	0.20	0.25	0.08	0.10	2.72	3.40	7.09	8.84
1989	4.29	5.15	0.08	0.10	0.27	0.32	0.21	0.25	2.65	3.19	7.49	9.00
1990	4.51	5.21	0.05	0.06	0.27	0.31	0.14	0.16	4.23	4.89	9.20	10.63
1991	4.62	5.15	0.05	0.06	0.33	0.37	0.03	0.04	4.65	5.19	9.69	10.81
1992	4.24	4.61	0.04	0.05	0.49	0.53	0.03	0.04	4.27	4.65	9.07	9.88
1993	3.09	3.28	0.06	0.06	0.36	0.39	0.02	0.02	4.15	4.41	7.68	8.16
1994	2.85	2.97	0.04	0.04	0.40	0.42	0.05	0.05	3.36	3.50	6.71	6.98
1995	3.57	3.63	0.05	0.05	0.37	0.38	0.01	0.01	3.56	3.63	7.55	7.70
1996	3.69	3.69	0.06	0.06	0.46	0.46	0.56	0.56	4.25	4.25	9.02	9.02
1997	3.39	3.32	0.05	0.05	0.47	0.47	1.04	1.02	37.41	12.51	12.27	
1998	3.04	2.94	0.04	0.04	0.39	0.38	0.90	0.87	5.68	5.50	10.04	9.73
1999	2.13	2.04	0.03	0.03	0.43	0.41	0.77	0.74	6.35	6.06	9.71	R ^g 9.28
2000	2.04	1.91	0.05	0.05	R ^{1.00}	R ^{0.93}	R ^{0.46}	R ^{0.43}	R ^{9.73}	R ^{9.09}	R ^{13.28}	R ^{12.41}
2001 ^P	1.80	1.64	0.04	0.04	1.54	1.41	0.18	0.16	8.67	7.92	12.22	11.17

¹ Includes petroleum preparations, liquefied propane and butane and since 1997 other mineral fuels.

² In chained (1996) dollars, calculated by using gross domestic product implicit price deflators. See Table E1.

³ There is a discontinuity in this time series between 1996 and 1997 due to the addition of the commodity category "other mineral fuels."

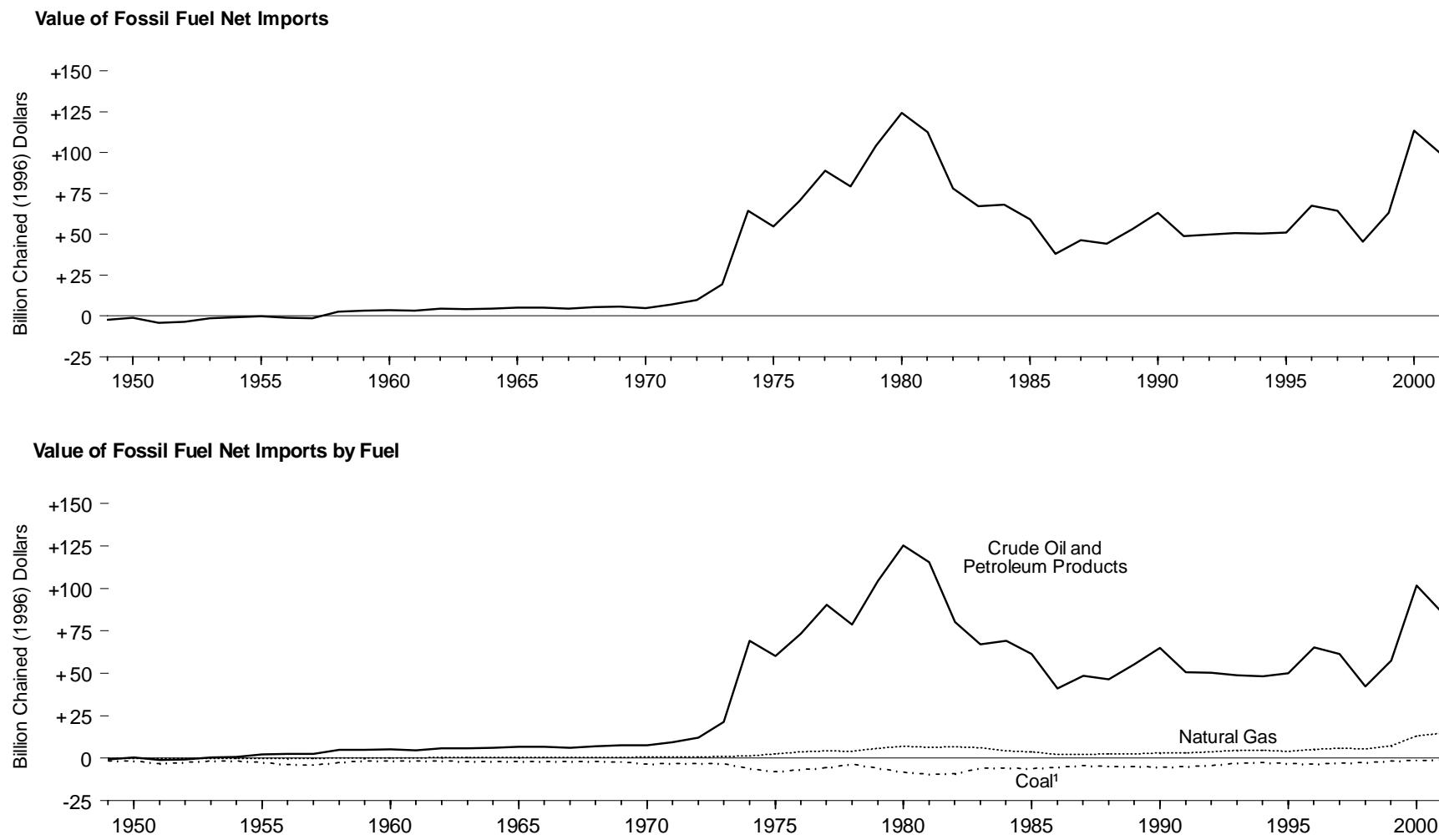
R=Revised. P=Preliminary. (s)=Less than 0.005 billion.

Notes: • Includes value of exports from Puerto Rico to foreign countries; excludes shipments from the 50 States and the District of Columbia to the Virgin Islands and Puerto Rico. • Totals may not equal sum of components due to independent rounding.

Sources: **Natural Gas:** • 1949-1971—Bureau of the Census, *U.S. Exports*, FT410. • 1972 and

1973—Federal Power Commission, *Pipeline Imports and Exports of Natural Gas - Imports and Exports of LNG*. • 1974-1977—Federal Power Commission, *United States Imports and Exports of Natural Gas*, annual reports. • 1978-1981—Energy Information Administration (EIA), *U.S. Imports and Exports of Natural Gas*, annual reports. • 1982-1998—EIA, *Natural Gas Monthly*, monthly reports. • 1999-2000—EIA, *Natural Gas Monthly* (August 2001). • 2001—Calculated from EIA, *Natural Gas Monthly*, (March 2002), Tables 5 and 6. **Crude Oil and Petroleum Products:** • 1949-1988—Bureau of the Census, *U.S. Exports*, FT410. • 1989 forward—Bureau of the Census, Foreign Trade Division, *U.S. Merchandise Trade*, FT900. "Exports and Imports of Goods by Principal SITC Commodity Groupings," December issues. **Coal:** • Bureau of the Census, Foreign Trade Division, unpublished data.

Figure 3.7 Value of Fossil Fuel Net Imports, 1949-2001



¹ Includes small amounts of coal coke.

Notes: • Negative net imports are net exports. • Prices are in chained (1996) dollars, calculated by using gross domestic product implicit price deflators. See Table E1.

Source: Table 3.7.

Table 3.7 Value of Fossil Fuel Net Imports, 1949-2001
(Billion Dollars)

Year	Coal		Coal Coke		Natural Gas		Crude Oil		Petroleum Products ¹		Total	
	Nominal	Real ²	Nominal	Real ²	Nominal	Real ²	Nominal	Real ²	Nominal	Real ²	Nominal	Real ²
1949	-0.29	-1.71	(s)	-0.03	(s)	-0.01	0.21	1.19	-0.32	-1.88	-0.42	-2.43
1950	-0.27	-1.53	(s)	(s)	(s)	-0.02	0.27	1.53	-0.18	-1.03	-0.18	-1.05
1951	-0.58	-3.12	-0.02	-0.08	(s)	-0.02	0.29	1.57	-0.47	-2.53	-0.78	-4.18
1952	-0.49	-2.59	-0.01	-0.05	(s)	-0.02	0.34	1.82	-0.49	-2.56	-0.65	-3.40
1953	-0.33	-1.73	-0.01	-0.04	(s)	-0.02	0.45	2.34	-0.38	-1.96	-0.27	-1.41
1954	-0.30	-1.56	(s)	-0.03	(s)	-0.02	0.50	2.57	-0.32	-1.67	-0.14	-0.70
1955	-0.48	-2.44	-0.01	-0.03	-0.01	-0.03	0.62	3.11	-0.16	-0.80	-0.04	-0.18
1956	-0.73	-3.57	-0.01	-0.05	-0.01	-0.04	0.75	3.65	-0.22	-1.07	-0.22	-1.07
1957	-0.83	-3.91	-0.01	-0.06	-0.01	-0.04	0.81	3.82	-0.24	-1.14	-0.28	-1.33
1958	-0.52	-2.42	-0.01	-0.03	0.01	0.03	0.92	4.27	0.17	0.80	0.58	2.67
1959	-0.38	-1.72	-0.01	-0.03	0.02	0.09	0.87	3.96	0.21	0.97	0.71	3.26
1960	-0.35	-1.59	-0.01	-0.02	0.02	0.11	0.89	4.00	0.26	1.19	0.82	3.69
1961	-0.34	-1.52	-0.01	-0.03	0.04	0.18	0.92	4.12	0.14	0.61	0.76	3.37
1962	-0.38	-1.65	-0.01	-0.02	0.08	0.36	1.01	4.43	0.32	1.41	1.03	4.52
1963	-0.47	-2.05	-0.01	-0.03	0.09	0.41	1.02	4.44	0.31	1.35	0.95	4.11
1964	-0.46	-1.98	-0.01	-0.04	0.10	0.41	1.08	4.61	0.35	1.51	1.06	4.52
1965	-0.48	-2.00	-0.01	-0.06	0.10	0.41	1.11	4.69	0.48	2.03	1.21	5.07
1966	-0.47	-1.91	-0.02	-0.09	0.09	0.36	1.11	4.52	0.53	2.17	1.24	5.06
1967	-0.48	-1.91	-0.01	-0.06	0.10	0.39	0.97	3.86	0.54	2.13	1.11	4.41
1968	-0.50	-1.90	-0.02	-0.06	0.11	0.41	1.17	4.46	0.68	2.60	1.45	5.50
1969	-0.59	-2.15	-0.04	-0.13	0.17	0.61	1.29	4.68	0.78	2.82	1.61	5.84
1970	-0.96	-3.31	-0.08	-0.26	0.23	0.78	1.24	4.27	0.98	3.38	1.41	4.87
1971	-0.90	-2.95	-0.04	-0.13	0.27	0.90	1.68	5.51	1.15	3.78	2.17	7.11
1972	-0.98	-3.09	-0.03	-0.08	0.28	0.87	2.37	7.44	1.50	4.71	3.13	9.85
1973	-1.01	-3.01	0.01	0.02	0.32	0.95	4.24	12.61	2.93	8.71	6.48	19.28
1974	-2.38	-6.50	0.15	0.41	0.48	1.30	15.24	41.61	10.14	27.69	23.63	64.52
1975	-3.24	-8.09	0.08	0.20	1.06	2.65	18.29	45.69	5.76	14.39	21.96	54.85
1976	-2.89	-6.84	0.04	0.10	1.56	3.69	25.43	60.12	5.58	13.20	29.72	70.26
1977	-2.62	-5.81	0.06	0.13	1.89	4.21	33.38	74.15	7.28	16.17	40.00	88.84
1978	-1.98	-4.10	0.36	0.75	1.95	4.04	31.91	66.16	6.07	12.59	38.31	79.44
1979	-3.35	-6.40	0.26	0.50	3.00	5.74	45.66	87.40	8.87	16.97	54.44	104.20
1980	-4.60	-8.06	-0.08	-0.14	3.98	6.99	61.15	107.20	10.42	18.27	70.88	124.26
1981	-5.89	-9.44	-0.03	-0.05	4.06	6.51	60.88	97.61	11.06	17.73	70.09	112.37
1982	-5.97	-9.01	-0.05	-0.08	4.39	6.63	45.25	68.31	8.00	12.08	51.63	77.93
1983	-4.01	-5.83	-0.04	-0.06	4.11	5.97	36.27	52.65	9.96	14.47	46.28	67.20
1984	-4.09	-5.72	-0.02	-0.03	3.17	4.44	36.26	50.75	13.25	18.55	48.57	67.98
1985	-4.39	-5.96	-0.03	-0.05	2.79	3.78	32.68	44.34	12.57	17.06	43.60	59.17
1986	-3.85	-5.11	-0.04	-0.05	1.65	2.19	22.49	29.86	8.42	11.17	28.67	38.06
1987	-3.35	-4.32	0.01	0.01	1.76	2.27	29.00	37.39	8.57	11.05	36.00	46.40
1988	-3.95	-4.92	0.12	0.15	2.18	2.72	27.47	34.25	9.71	12.11	35.53	44.29
1989	-4.19	-5.03	0.14	0.16	2.24	2.69	35.32	42.42	10.85	13.02	44.35	53.27
1990	-4.42	-5.11	0.02	0.03	2.71	3.13	43.65	50.45	12.67	14.65	54.63	63.15
1991	-4.51	-5.03	0.04	0.05	2.90	3.23	36.87	41.12	8.52	9.50	43.82	48.88
1992	-4.11	-4.48	0.10	0.11	3.47	3.78	38.52	41.94	7.72	8.40	45.70	49.76
1993	-2.83	-3.01	0.11	0.11	4.41	4.69	38.45	40.88	7.59	8.07	47.72	50.74
1994	-2.58	-2.68	0.23	0.24	4.50	4.68	38.43	40.03	7.78	8.10	48.37	50.38
1995	-3.24	-3.31	0.27	0.28	3.86	3.93	42.81	43.64	6.39	6.51	50.09	51.06
1996	-3.41	-3.41	0.18	0.18	5.33	5.33	54.37	54.37	11.01	11.01	67.49	67.49
1997	-3.13	-3.07	0.20	0.19	6.02	5.91	53.19	52.17	39.37	39.19	65.65	64.39
1998	-2.75	-2.67	0.25	0.24	5.82	5.64	36.36	R35.23	7.33	R7.11	47.00	45.54
1999	-1.85	-1.77	0.20	0.19	7.61	R7.27	50.12	R47.89	9.94	R9.50	66.00	R63.07
2000	-1.66	-1.56	0.20	0.19	R13.94	R13.02	R89.41	R83.53	R19.65	R18.35	R121.53	R113.54
2001 ^P	-1.13	-1.03	0.13	0.12	16.23	14.84	74.25	67.89	19.78	18.08	109.26	99.90

¹ Includes petroleum preparations, liquefied propane and butane and since 1997 other mineral fuels.

² In chained (1996) dollars, calculated by using gross domestic product implicit price deflators. See Table E1.

³ There is a discontinuity in this time series between 1996 and 1997 due to the addition of the commodity category "other mineral fuels."

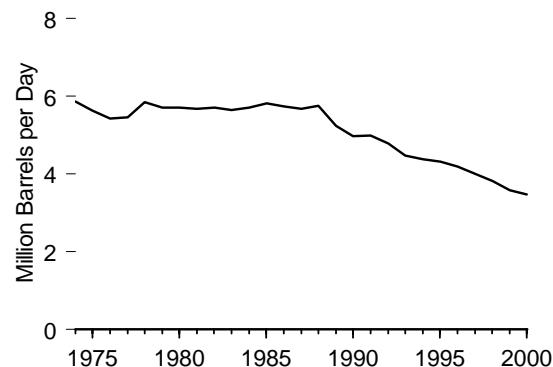
R=Revised. P=Preliminary. (s)=Less than 0.005 billion.

Notes: • Net imports = imports minus exports. • Totals may not equal sum of components due to independent rounding. Data on this table may not equal data on Table 3.5 minus data on Table 3.6 due to independent rounding.

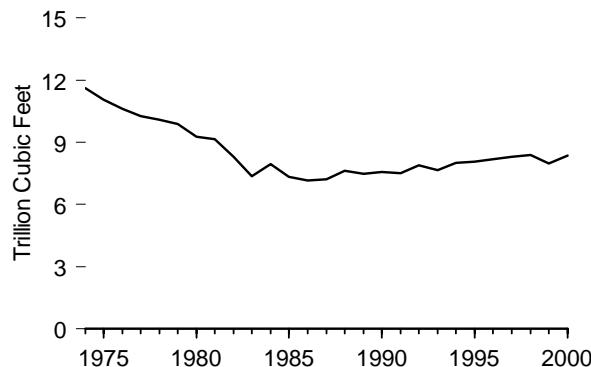
Sources: Tables 3.5 and 3.6.

Figure 3.8 Major U.S. Energy Companies' Domestic Production and Refining, 1974-2000

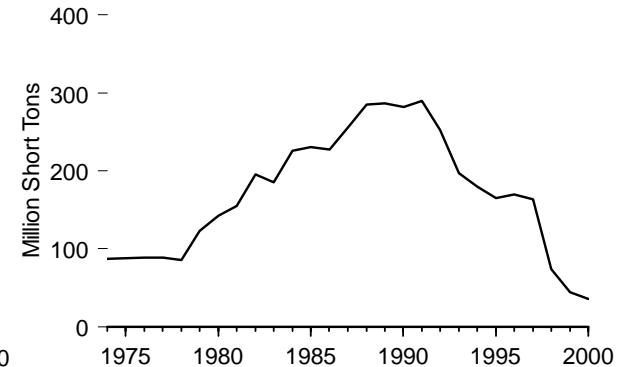
**Crude Oil and Natural Gas Liquids Production
by Major Energy Companies**



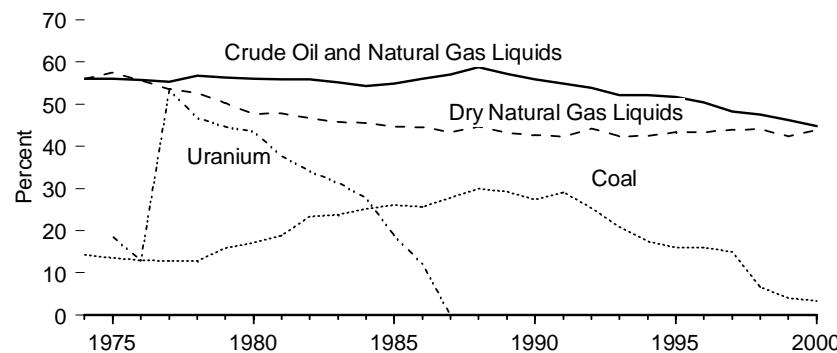
**Dry Natural Gas Production
by Major Energy Companies**



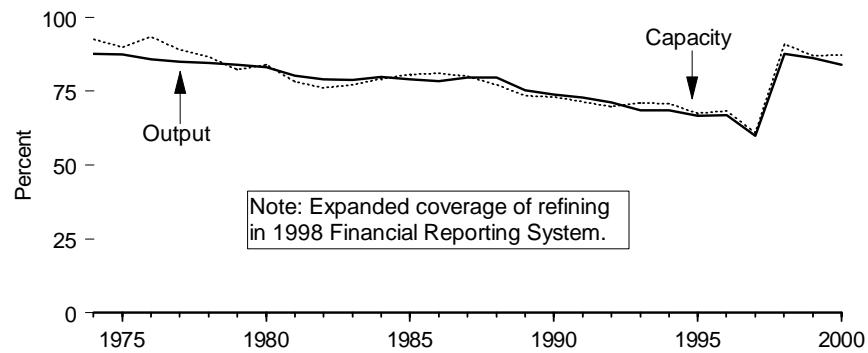
**Coal Production
by Major Energy Companies**



Major Energy Companies' Shares of U.S. Total Production



Major Energy Companies' Shares of U.S. Refining Capacity and Output



Notes: • Major U.S. Energy Companies are the top publicly-owned crude oil and natural gas producers and petroleum refiners that form the Financial Reporting System (FRS). See Table 3.12. • Because vertical scales differ, graphs should not be compared.

Source: Table 3.8.

Table 3.8 Major U.S. Energy Companies' Domestic Production and Refining, 1974-2000

Year	Production				Refining	
	Crude Oil and Natural Gas Liquids (million barrels per day)	Dry Natural Gas (trillion cubic feet)	Coal ¹ (million short tons)	Uranium (million pounds U ₃ O ₈)	Capacity ^{2,3} (million barrels per day)	Output ³ (million barrels per day)
1974	5.9	11.6	87.4	NA	13.3	11.8
1975	5.6	11.0	88.1	4.3	13.4	12.0
1976	5.4	10.6	89.0	3.3	14.2	12.6
1977	5.5	10.3	89.1	16.0	14.6	13.5
1978	5.8	10.1	85.5	17.3	14.8	13.5
1979	5.7	9.9	123.3	16.7	14.4	13.2
1980	5.7	9.3	142.3	19.0	15.1	12.2
1981	5.7	9.2	154.8	14.5	14.6	11.2
1982	5.7	8.3	195.2	9.2	13.6	10.6
1983	5.6	7.4	185.2	6.6	13.0	10.3
1984	5.7	7.9	226.0	4.1	12.8	10.9
1985	5.8	7.3	230.4	2.1	12.6	10.8
1986	5.7	7.1	227.6	1.6	12.5	11.4
1987	5.7	7.2	255.3	0.0	12.5	11.7
1988	5.7	7.6	285.3	0.0	12.3	12.0
1989	5.2	7.5	286.9	0.0	11.5	11.4
1990	5.0	7.6	282.0	0.0	11.4	11.3
1991	5.0	7.5	289.6	0.0	11.2	11.1
1992	4.8	7.9	251.9	0.0	11.0	11.0
1993	4.5	7.7	197.3	0.0	10.7	10.8
1994	4.4	8.0	179.7	0.0	10.6	10.8
1995	4.3	8.1	165.4	0.0	10.4	10.7
1996	4.2	8.2	169.4	0.0	10.5	11.0
1997	4.0	8.3	163.3	0.0	9.4	10.0
1998	3.8	8.4	73.9	0.0	414.3	414.9
1999	3.6	8.0	44.0	0.0	14.2	14.6
2000	3.5	8.4	35.5	0.0	14.4	14.5
Percent of U.S. Total						
1974	56.0	56.1	14.3	NA	92.5	87.6
1975	56.1	57.4	13.5	18.6	89.8	87.4
1976	55.7	55.6	13.0	13.0	93.4	85.9
1977	55.3	53.6	12.8	53.4	89.0	85.0
1978	56.8	52.7	12.8	46.8	86.7	84.5
1979	56.3	50.3	15.8	44.7	82.4	83.9
1980	56.1	47.7	17.2	43.5	83.9	83.1
1981	55.8	47.8	18.8	37.7	78.2	80.3
1982	55.9	46.7	23.3	34.2	76.2	79.0
1983	55.1	45.8	23.7	31.4	77.2	78.7
1984	54.3	45.5	25.2	27.8	79.1	79.8
1985	54.9	44.6	26.1	18.9	80.6	78.9
1986	56.0	44.5	25.6	12.1	81.0	78.5
1987	57.0	43.4	27.8	0.0	80.1	79.7
1988	58.8	44.6	30.0	0.0	77.2	79.7
1989	57.2	43.2	29.3	0.0	73.4	75.2
1990	55.8	42.6	27.4	0.0	73.0	74.0
1991	54.9	42.4	29.1	0.0	71.5	72.9
1992	53.9	44.2	25.3	0.0	69.8	71.2
1993	52.1	42.3	20.9	0.0	70.9	68.6
1994	52.1	42.5	17.4	0.0	70.8	68.5
1995	51.7	43.3	16.0	0.0	67.6	66.6
1996	50.5	43.4	15.9	0.0	68.3	66.9
1997	48.3	43.9	15.0	0.0	60.9	59.9
1998	47.5	R44.1	6.6	0.0	490.9	487.7
1999	46.3	R42.4	4.0	0.0	87.1	86.2
2000	44.8	44.0	3.3	0.0	87.2	83.9

¹ Bituminous coal, subbituminous coal, and lignite.

² Operable capacity as of January 1 of the following year.

³ Includes Puerto Rico and the Virgin Islands.

⁴ There is a discontinuity in this time series between 1997 and 1998 due to the expanded coverage of the Financial Reporting System (FRS).

NA=Not available.

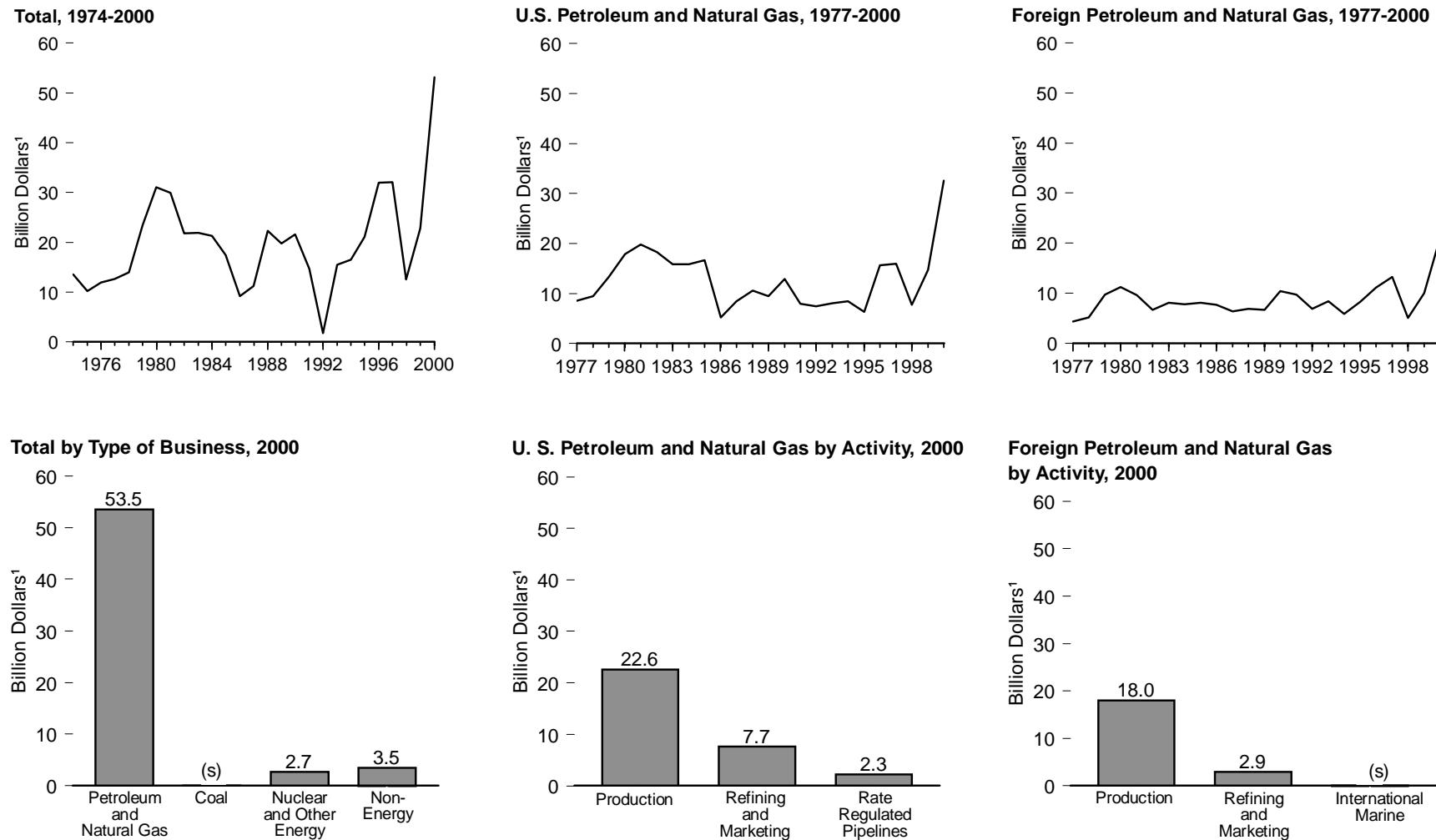
Notes: • Major U.S. Energy Companies are the top publicly-owned, U.S.-based crude oil and natural

gas producers and petroleum refiners that form the FRS. See Table 3.12. • FRS Crude Oil and Natural Gas Liquids and Dry Natural Gas production are on a net ownership interest basis (see Glossary).

Web Page: <http://www.eia.doe.gov/emeu/finance>.

Sources: **Production and Refining:** • 1974-1976—Energy Information Administration (EIA), Form EIA-28, "Financial Reporting System" database, November 1998. • 1977 forward—EIA, *Performance Profiles of Major Energy Producers*, annual reports. **Percent of U.S. Total:** Tables 5.1, 5.8, 5.9, 6.1, 7.1, and 9.3.

Figure 3.9 Major U.S. Energy Companies' Net Income



¹ Nominal dollars.

(s)=Less than 0.05 billion.

Note: Major U.S. Energy Companies are the top publicly-owned crude oil and natural gas producers and petroleum refiners that form the Financial Reporting System (FRS). See Table 3.12.

Source: Table 3.9.

Table 3.9 Major U.S. Energy Companies' Net Income, 1974-2000
(Billion Dollars¹)

Year	U.S. Petroleum and Natural Gas				Foreign Petroleum and Natural Gas				Type of Business				
	Production	Refining and Marketing	Rate Regulated Pipelines	Total ²	Production	Refining and Marketing	International Marine	Total ²	Petroleum and Natural Gas	Coal	Nuclear and Other Energy	Non-energy	Total ²
1974	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.6
1975	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.3
1976	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.0
1977	6.4	1.5	0.8	8.6	3.6	0.7	0.1	4.4	13.0	0.2	(s)	1.7	12.7
1978	6.7	1.6	1.2	9.5	3.5	1.8	-0.1	5.2	14.7	0.1	-0.1	1.8	13.9
1979	9.4	2.3	1.7	13.4	5.2	4.3	0.1	9.7	23.0	0.3	-0.1	2.8	23.5
1980	13.8	2.5	1.7	17.9	6.9	4.3	0.1	11.2	29.1	0.3	(s)	2.3	31.0
1981	16.8	1.3	1.8	19.9	8.0	1.6	-0.1	9.6	29.5	0.4	-0.3	1.6	30.0
1982	14.1	1.9	2.3	18.3	6.1	0.8	-0.3	6.7	25.0	0.4	-0.3	0.4	21.8
1983	12.2	1.6	2.0	15.9	7.2	1.3	-0.5	8.2	24.0	0.5	(s)	1.8	21.9
1984	13.3	0.1	2.5	15.8	7.5	0.7	-0.4	7.8	23.6	0.6	-0.1	2.9	21.3
1985	12.1	2.3	2.3	16.7	8.0	0.5	-0.4	8.1	24.8	0.4	-0.3	2.5	17.4
1986	0.9	1.6	2.6	5.2	4.7	2.9	0.1	7.7	12.9	0.2	(s)	2.8	9.2
1987	4.7	1.1	2.6	8.4	5.4	1.0	-0.1	6.4	14.8	0.4	(s)	7.1	11.3
1988	3.2	5.4	2.0	10.6	4.3	2.4	0.1	6.9	17.5	0.6	-0.1	10.8	22.3
1989	3.1	4.5	1.9	9.5	4.7	1.8	0.2	6.7	16.2	0.4	-0.1	8.7	19.8
1990	8.7	2.2	2.1	12.9	7.4	2.8	0.2	10.5	23.4	0.3	0.1	4.3	21.6
1991	5.1	0.9	2.0	7.9	5.4	4.1	0.3	9.8	17.7	0.6	0.1	1.6	14.7
1992	5.6	-0.2	2.1	7.5	4.7	2.2	(s)	6.9	14.4	-0.5	0.1	1.2	1.8
1993	4.8	1.7	1.6	8.1	5.2	3.2	(s)	8.4	16.5	0.4	0.1	2.7	15.5
1994	4.8	1.8	1.8	8.5	4.0	2.0	(s)	5.9	14.4	0.2	0.2	6.2	16.5
1995	3.7	0.5	2.2	6.4	5.9	2.4	(s)	8.3	14.7	0.3	0.2	12.6	21.1
1996	11.8	2.3	1.6	15.7	9.2	2.0	(s)	11.2	26.9	0.5	0.2	8.0	32.0
1997	11.6	3.1	1.3	16.0	9.6	3.6	0.1	13.3	29.3	0.3	0.3	6.3	32.1
1998	0.5	5.9	1.4	7.8	2.0	2.9	0.1	5.1	12.8	0.5	0.9	1.8	12.5
1999	7.4	4.9	2.4	14.8	8.2	1.9	(s)	10.1	24.8	0.2	0.7	2.8	22.9
2000	22.6	7.7	2.3	32.6	18.0	2.9	(s)	21.0	53.5	(s)	2.7	3.5	53.2

¹ Nominal dollars.

² Total is sum of components shown, plus eliminations and nontraceables, which are defined in the glossary.

NA=Not available. (s)=Less than 0.05 billion and greater than -0.05 billion.

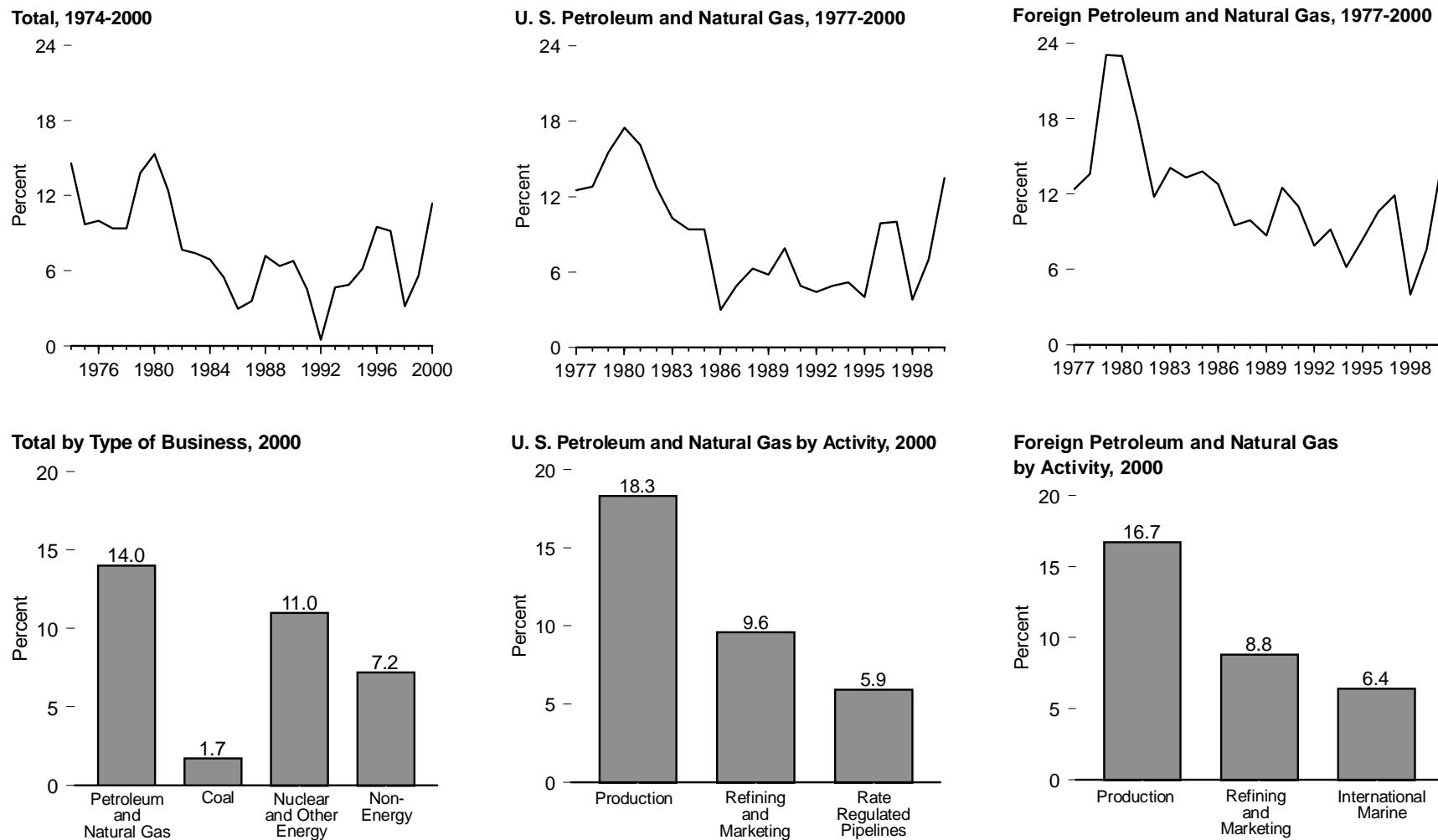
Note: Major U.S. Energy Companies are the top publicly-owned, U.S.-based crude oil and natural gas

producers and petroleum refiners that form the Financial Reporting System (FRS). See Table 3.12.

Web Page: <http://www.eia.doe.gov/finance>.

Sources: • 1974-1976—Energy Information Administration (EIA), Form EIA-28, "Financial Reporting System" database, November 1997. • 1977 forward—EIA, *Performance Profiles of Major Energy Producers*, annual reports.

Figure 3.10 Major U.S. Energy Companies' Profitability



Notes: • Major U.S. Energy Companies are the top publicly-owned crude oil and natural gas producers and petroleum refiners that form the Financial Reporting System (FRS). See Table 3.12.
• Because vertical scales differ, graphs should not be compared.

Source: Table 3.10.

Table 3.10 Major U.S. Energy Companies' Profitability, 1974-2000
(Percent)

Year	U.S. Petroleum and Natural Gas				Foreign Petroleum and Natural Gas				Type of Business				
	Production	Refining and Marketing	Rate Regulated Pipelines	Total	Production	Refining and Marketing	International Marine	Total	Petroleum and Natural Gas	Coal	Nuclear and Other Energy	Non-energy	Total
1974	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.6
1975	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.7
1976	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.0
1977	17.5	7.2	7.3	12.5	21.8	5.1	2.6	12.4	12.5	8.8	-2.6	7.1	9.4
1978	16.4	7.5	10.9	12.8	18.2	12.7	-1.0	13.6	13.1	4.1	-4.2	6.5	9.4
1979	18.2	9.8	15.1	15.5	23.8	29.1	2.6	23.1	18.0	6.3	-3.7	8.8	13.8
1980	20.9	9.8	15.1	17.5	25.1	26.4	2.4	23.0	19.2	5.6	-0.7	5.9	15.3
1981	20.2	4.4	15.6	16.1	25.5	9.0	-1.1	17.7	16.6	6.1	-6.8	3.5	12.4
1982	14.0	6.0	20.8	12.7	17.4	4.7	-6.3	11.8	12.5	4.4	-5.2	0.6	7.7
1983	11.3	4.8	16.6	10.3	19.6	7.7	-13.2	14.1	11.3	5.0	0.5	2.9	7.4
1984	10.8	0.3	20.8	9.4	18.8	4.5	-14.0	13.3	10.4	6.2	-1.8	4.8	6.9
1985	9.5	6.5	15.0	9.4	20.0	3.3	-19.0	13.8	10.5	4.6	-8.4	4.2	5.5
1986	0.8	4.5	13.2	3.0	11.6	16.3	5.3	12.8	5.5	2.7	-0.8	5.1	3.0
1987	4.1	2.9	12.8	4.9	12.4	4.7	-3.6	9.5	6.2	5.1	0.5	12.2	3.6
1988	2.8	14.7	9.6	6.3	9.2	11.6	6.8	9.9	7.3	6.7	-2.5	20.3	7.2
1989	2.9	11.5	10.2	5.8	8.9	8.0	12.4	8.7	6.7	5.0	-2.3	17.3	6.4
1990	8.5	5.1	11.2	7.9	13.1	11.2	11.7	12.5	9.5	3.3	2.6	7.8	6.8
1991	5.1	2.0	10.7	4.9	9.1	14.6	15.6	11.0	7.0	8.7	2.8	2.9	4.5
1992	5.9	-0.4	8.4	4.4	8.2	7.8	-1.2	7.9	5.6	-9.3	1.8	2.1	0.5
1993	5.3	3.4	6.4	4.9	8.6	10.6	1.2	9.2	6.4	7.6	4.1	4.7	4.7
1994	5.5	3.6	7.6	5.2	6.5	6.1	-2.0	6.2	5.6	4.0	4.8	10.5	4.9
1995	4.4	1.0	9.1	4.0	9.3	7.2	-2.5	8.4	5.7	6.9	6.1	19.4	6.2
1996	14.1	4.4	6.9	9.9	12.8	6.0	2.2	10.6	10.1	9.9	7.9	15.0	9.5
1997	12.5	6.6	6.7	10.0	12.5	10.5	11.8	11.9	10.8	7.2	7.0	10.9	9.2
1998	0.5	7.9	4.4	3.8	2.2	8.2	8.9	4.0	3.9	26.4	13.2	4.5	3.2
1999	7.6	6.5	6.4	7.0	8.5	5.1	0.8	7.6	7.2	9.5	7.6	5.8	5.6
2000	18.3	9.6	5.9	13.5	16.7	8.8	6.4	14.8	14.0	1.7	11.0	7.2	11.4

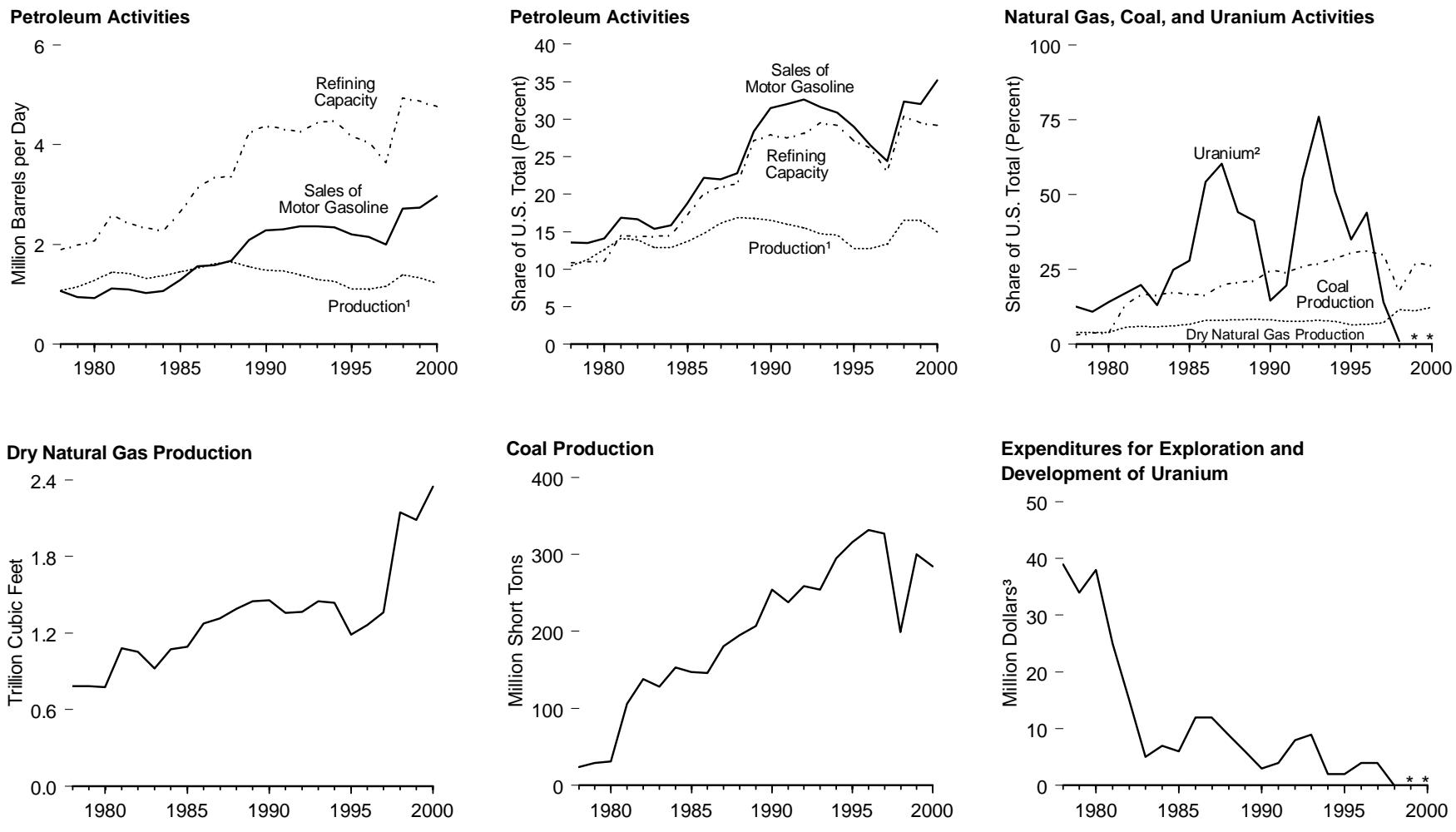
NA=Not available.

Notes: • Major U.S. Energy Companies are the top publicly-owned, U.S.-based crude oil and natural gas producers and petroleum refiners that form the Financial Reporting System (FRS). See Table 3.12.
• Profitability measured as contribution to net income/net investment in place.

Web Page: <http://www.eia.doe.gov/emeu/finance>.

Sources: • 1974-1976—Energy Information Administration (EIA), Form EIA-28, "Financial Reporting System" database, October 1996. • 1977 forward—EIA, *Performance Profiles of Major Energy Producers*, annual reports.

Figure 3.11 U.S. Energy Activities by Foreign-Affiliated Companies, 1978-2000



¹ Crude oil and natural gas liquids.

² Expenditures for exploration and development of uranium.

³ Nominal dollars.

* 1999 and 2000 uranium values are withheld to avoid disclosure of individual company data.

Note: Because vertical scales differ, graphs should not be compared.

Source: Table 3.11.

Table 3.11 U.S. Energy Activities by Foreign-Affiliated Companies, 1978-2000

Year	Production				Refining Capacity	Sales of Motor Gasoline	Expenditures for Exploration and Development of Uranium
	Crude Oil and Natural Gas Liquids	Dry Natural Gas	Coal	Uranium ¹			
Year	Thousand Barrels per Day	Billion Cubic Feet	Million Short Tons	Thousand Pounds	Thousand Barrels per Day		Million Dollars ²
1978	1,076	783	24	0	1,895	1,066	39
1979	1,145	786	29	0	1,984	948	34
1980	1,280	776	31	0	2,066	926	38
1981	1,438	1,080	106	0	2,595	1,114	25
1982	1,421	1,055	138	0	2,423	1,092	15
1983	1,325	924	128	0	2,337	1,022	5
1984	1,365	1,075	153	0	2,276	1,066	7
1985	1,455	1,093	147	0	2,656	1,285	6
1986	1,523	1,276	146	0	3,133	1,565	12
1987	1,614	1,318	181	0	3,342	1,586	12
1988	1,659	1,392	195	0	3,356	1,673	9
1989	1,553	1,452	207	0	4,243	2,084	6
1990	1,481	1,457	254	0	4,379	2,282	3
1991	1,469	1,360	238	0	4,312	2,299	4
1992	1,392	1,368	259	0	4,256	2,369	8
1993	1,299	1,451	254	0	4,440	2,362	9
1994	1,261	1,439	295	0	4,479	2,346	2
1995	1,103	1,191	316	0	4,164	2,204	2
1996	1,105	1,265	332	0	4,050	2,145	4
1997	1,154	1,361	327	0	3,637	1,998	4
1998	1,389	R2,149	R199	0	R4,940	2,721	(s)
1999	1,334	2,089	300	³ 3,703	4,877	2,737	W
2000	1,214	2,349	284	2,941	4,763	2,971	W
Share of U.S. Total (Percent)							
1978	10.5	3.9	3.1	0.0	10.9	13.6	12.5
1979	11.3	4.0	3.8	0.0	11.0	13.5	10.8
1980	12.6	4.0	3.8	0.0	11.1	14.1	14.1
1981	14.1	5.6	12.9	0.0	14.5	16.9	17.0
1982	13.9	5.9	16.6	0.0	14.4	16.7	19.8
1983	12.9	5.8	16.5	0.0	14.4	15.4	13.0
1984	12.9	6.2	17.3	0.0	14.5	15.9	24.9
1985	13.7	6.7	16.8	0.0	17.2	18.8	27.9
1986	14.8	8.0	16.5	0.0	20.1	22.2	54.3
1987	16.1	8.0	19.8	0.0	21.0	22.0	60.4
1988	16.9	8.1	20.6	0.0	21.4	22.8	44.2
1989	16.8	8.4	21.2	0.0	27.2	28.4	41.2
1990	16.5	8.2	24.7	0.0	27.9	31.5	14.6
1991	16.0	7.7	24.0	0.0	27.5	32.0	19.7
1992	15.5	7.7	26.0	0.0	28.1	32.6	55.2
1993	14.7	8.0	27.0	0.0	29.5	31.6	76.0
1994	14.6	7.7	28.6	0.0	29.2	30.9	51.0
1995	12.8	6.4	30.7	0.0	27.1	29.0	35.0
1996	12.8	6.7	31.2	0.0	26.2	26.5	44.0
1997	13.4	7.2	30.0	0.0	23.0	24.4	14.0
1998	R16.5	R11.5	R17.8	0.0	R30.4	32.4	1.0
1999	16.5	11.2	27.2	³ 80.3	29.5	32.0	W
2000	15.0	12.4	26.4	74.3	29.2	35.2	W

¹ The uranium share is a percent of U.S. total uranium concentrate production.

² Nominal dollars.

³ Includes a small amount produced by a U.S. company, which left the industry by the close of 1999.

R=Revised. (s)=Less than 0.5 million dollars. W=Value withheld to avoid disclosure of individual company data.

Web Page: <http://www.eia.doe.gov/emeu/finance>.

Sources: **Uranium Production:** Energy Information Administration (EIA), *Uranium Industry Annual 2001* (May 2002), Table 5, and analysis by the Office of Energy Markets and End Use, Financial Analysis Team. **All Other Data:** • 1978-1992—EIA, *Profiles of Foreign Direct Investment in U.S. Energy*, annual report. • 1993—EIA, *Profiles of Foreign Direct Investment in U.S. Energy 1993* (May 1995), Tables 7, 9, 10, 11, and 12. • 1994-1997—EIA, *Performance Profiles of Major Energy Producers*, annual reports. • 1998-2000—EIA, *Profiles of Foreign Direct Investment in U.S. Energy in 2000* (August 2002).

Table 3.12 Companies Reporting to the Financial Reporting System, 1974-2000

Company	1974-1981	1982	1983-84	1985-86	1987	1988	1989-90	1991	1992-93	1994-96	1997	1998	1999	2000
Amerada Hess Corporation	X	X	X	X	X	X	X	X	X	X	X	X	X	X
American Petrofina Holding Company ¹	X	X	X	X	X	X	X	X	X	X	X	X	X	X
American Petrofina Inc. ¹	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Anadarko Petroleum Corporation								X	X	X		X	X	X
Apache Corporation											X			X
Ashland Oil, Inc. ²	X	X	X	X	X	X	X	X	X	X	X	X		
Atlantic Richfield Co. (ARCO)	X	X	X	X	X	X	X	X	X	X	X	X	X	X
BP America, Inc. ^{3,4}					X	X	X	X	X	X	X	X	X	X
BP Amoco, Inc ^{3,5}	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Burlington Northern Inc. ⁶	X	X	X	X	X		X	X	X	X	X	X	X	X
Burlington Resources Inc. ⁶							X	X	X	X	X	X	X	X
Chevron Corporation ^{7,8}	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Citgo Petroleum Corporation											X	X	X	X
Cities Service ⁹	X	X												
The Coastal Corporation	X	X	X	X	X	X	X	X	X	X	X	X	X	
Conoco ^{10,11}	X										X	X		X
Devon Energy Corporaton														X
Dominion Resources														X
E.I. du Pont de Nemours and Co. ^{10,11}	X	X	X	X	X	X	X	X	X	X	X			
El Paso Energy Corporation												X	X	
Enron Corporation										X	X	X	X	X
EOG Resources														X
Equilon Enterprises, LLC ¹²												X	X	X
Exxon Mobil Corporation ¹³	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Getty Oil ¹⁴	X	X	X											
Gulf Oil ⁸	X	X	X											
Kerr-McGee Corporation ¹⁵	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LYONDELL-CITGO Refining, LP ¹⁶											X	X	X	X
Marathon ¹⁷	X													
Mobil Corporation ^{13,18}	X	X	X	X	X	X	X	X	X	X	X	X		
Motiva Enterprises, LLC ¹⁹												X	X	X
Nerco, Inc. ²⁰														
Occidental Petroleum Corporation ⁹	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Oryx Energy Company ^{15,21}						X	X	X	X	X	X			
Phillips Petroleum Company	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Premcor Refining Group ²²												X	X	X
Shell Oil Company	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Sonat Inc.											X	X		
Standard Oil Co. (Ohio) (Sohio) ⁵	X	X	X	X										
Sunoco ^{21,23}	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Superior Oil ¹⁸	X	X	X											
Tenneco Inc. ²⁴	X	X	X	X	X	X	X							
Tesoro Petroleum Corporation												X	X	X
Texaco Inc. ¹⁴	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Tosco Corporation												X	X	X
Total Petroleum (North America) Ltd. ²⁵							X	X						
Ultramar Diamond Shamrock Corporation ...												X	X	X
Union Pacific Resources Group, Inc. ²⁶	X	X	X	X	X	X	X	X	X	X	X	X	X	
Unocal Corporation	X	X	X	X	X	X	X	X	X	X	X	X	X	X
USX Corporation ¹⁷	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Valero Energy Corporation												X	X	X
The Williams Companies, Inc												X	X	X

Footnotes: See the following page.

Note: "X" indicates that the company was included in the Financial Reporting System for the year indicated.

Web Page: <http://www.eia.doe.gov/emeu/finance>.

Source: Energy Information Administration, Form EIA-28, "Financial Reporting System."

Footnotes for Table 3.12

¹American Petrofina, Inc. changed its name to Fina, Inc., effective April 17, 1991.

²Ashland was dropped from the Financial Reporting System (FRS) for 1998 after spinning off downstream and coal operations and disposing of upstream operations.

³Amoco merged with British Petroleum plc and became BP Amoco plc on December 31, 1998. BP America was renamed BP Amoco, Inc. The companies reported separately for 1998.

⁴In 1987, British Petroleum acquired all shares in Standard Oil Company (Ohio) that it did not already control and renamed its U.S. affiliate, BP America, Inc.

⁵Formerly Standard Oil Company (Indiana).

⁶Burlington Resources was added to the FRS and Burlington Northern was dropped for 1988. Data for Burlington Resources covers the full year 1988 even though that company was not created until May of that year.

⁷Formerly Standard Oil Company of California.

⁸Chevron acquired Gulf Oil in 1984, but separate data for Gulf continued to be available for the full 1984 year.

⁹Occidental acquired Cities Service in 1982. Separate financial reports were available for 1982, so each company continued to be treated separately until 1983.

¹⁰DuPont acquired Conoco in 1981. Separate data for Conoco were available for 1981; DuPont was included in the FRS in 1982.

¹¹Dupont was dropped from the FRS when Conoco was spun-off in 1998. Conoco began reporting separately again in 1998.

¹²Equilon is a joint venture combining Shell's and Texaco's western and midwestern U.S. refining and marketing businesses and nationwide trading transportation and lubricants businesses. Net income is duplicated in the FRS system since Shell and Texaco account for this investment using the equity method.

¹³In December 1998, Exxon and Mobil agreed to merge. Both companies reported separately for 1998.

¹⁴Texaco acquired Getty in 1984; however, Getty was treated as a separate FRS company for that year.

¹⁵In 1998, Kerr-McGee and Oryx merged. The financial reporting for both was consolidated under Kerr-McGee for 1998.

¹⁶LYONDELL-CITGO is a limited partnership owned by Lyondell Chemical Company and Citgo. There will be some duplication of net income since Citgo accounts for its investment using the equity method.

¹⁷U.S. Steel (now USX) acquired Marathon in 1982.

¹⁸Mobil acquired Superior in 1984, but both companies were treated separately for that year.

¹⁹Motiva is a joint venture approximately equally owned by Shell, Texaco and Saudi Refining, Inc. The joint venture combines the company's Gulf and east coast refining and marketing businesses. Duplication exists for the net income related to Shell's and Texaco's interests, which are accounted for under the equity method.

²⁰RTZ America acquired the common stock of Nerco, Inc., on Feb. 17, 1994. In Sept. 1993, Nerco, Inc. sold Nerco Oil & Gas, Inc., its subsidiary. Nerco's 1993 submission includes operations of Nerco Oil & Gas, Inc., through Sept. 28, 1993.

²¹Sun Company spun off Sun Exploration and Development Company (later renamed Oryx Energy Company) during 1988. Both companies were included in the FRS for 1988; therefore, some degree of duplication exists for that year.

²²In May 2000 Clark Refining and Marketing, Inc. changed its name to Premcor Refining Group.

²³Sun company withdrew from oil and gas exploration and production in 1996. Sun's 1996 submission includes oil and gas exploration and production activities through September 30, 1996. Refining/marketing activities are included for the entire 1996 calendar year.

²⁴Tenneco sold its worldwide oil and gas assets and its refining and marketing assets in 1988. Other FRS companies purchased approximately 70 percent of Tenneco's assets.

²⁵Effective June 1, 1991, Total's exploration, production, and marketing operations in Canada were spun off to Total Oil & Gas, a new public entity.

²⁶Effective October 15, 1996, Union Pacific Corporation distributed its ownership in the Union Pacific Resources Group, Inc. to its shareholders. Prior to 1996, the FRS included Union Pacific Corporation. The FRS includes only Union Pacific Resources Group, Inc. for 1996.

Energy Resources

Table 3.5 Sources

Natural Gas: • 1949-1962—Bureau of the Census, *U.S. Imports of Merchandise for Consumption*, FT110. • 1963—Bureau of the Census, *U.S. Imports of Merchandise for Consumption*, FT125. • 1964-1971—Bureau of the Census, *U.S. Imports for Consumption and General Imports*, FT246. • 1972 and 1973—Federal Power Commission, *Pipeline Imports and Exports of Natural Gas-Imports and Exports of LNG*. • 1974-1977—Federal Power Commission, *United States Imports and Exports of Natural Gas*, annual reports. • 1978-1981—Energy Information Administration (EIA), *U.S. Imports and Exports of Natural Gas*, annual reports. • 1982-1998—EIA, *Natural Gas*

Monthly, monthly reports. 1999-2000—EIA, *Natural Gas Monthly*, (August 2001). • 2001—Calculated from EIA, *Natural Gas Monthly*, (March 2002), Tables 5 and 6.

Crude Oil and Petroleum Products: • 1949-1962—Bureau of the Census, *U.S. Imports of Merchandise for Consumption*, FT110.

• 1963—Bureau of the Census, *U.S. Imports of Merchandise for Consumption*, FT125. • 1964-1988—Bureau of the Census, *U.S. Imports for Consumption*, FT135. • 1989 forward—Bureau of the Census, Foreign Trade Division, *U.S. Merchandise Trade*, FT900, “Exports and Imports of Goods by Principal SITC Commodity Groupings,” December issues.

Coal: Bureau of the Census, Foreign Trade Division, unpublished data.